

Air Conditioning & Heating

UP TO 15 SEER UP TO 8.0 HSPF

COOLING CAPACITY: 24,000 - 55,600 BTU/H

HEATING CAPACITY: 23,400 - 56,000 BTU/H

GPH15M

PACKAGED HEAT PUMP

R-410A

2 to 5 Tons



Standard Features

- High-efficiency compressor with internal relief valve
- Fully charged R-410A system
- EEM (X-13) blower motor
- Liquid-line filter dryer
- Convertible airflow horizontal or downflow
- Copper tube/aluminum fin coils
- Electric heat kit available as a field-installed option
- AHRI Certified; ETL Listed

Cabinet Features

- Heavy-gauge galvanized-steel cabinet with attractive Architectural Gray powder-paint finish
- Fully insulated air-handling compartment with convenient access panels
- · Louvered condenser coil protection
- · One footprint; two heights

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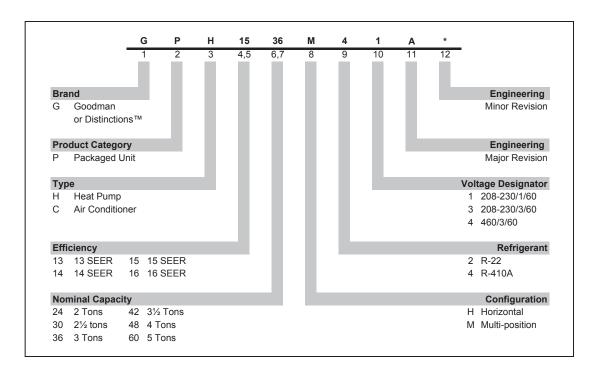




^{*} Complete warranty details available from you local dealer or at www.goodmanmfg.com. To receive the 10-Year Parts Limited Warranty, online registration must be completed within 60 days of installa-tion. Online registration is not required in California or Québec.



Nomenclature



Important EnergyStar Notice: EnergyStar ratings are dependent upon conditions beyond equipment installation. Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet EnergyStar criteria. Ask your contractor for details or visit www.energystar.gov.

SPECIFICATIONS

	GPH15 24M41A*	GPH15 30M41A*	GPH15 36M41A*	GPH15 42M41A*	GPH15 43M41A*	GPH15 48M41A*	GPH15 49M41A*	GPH15 60M41A*
COOLING CAPACITY								
Total BTU/h	24,000	29,000	35,400	41,000	40,000	46,500	46,000	55,500
Sensible BTU/h	18,000	22,200	26,700	29,000	28,000	35,600	31,000	39,300
SEER / EER	15/ 12	15/ 12	15/ 12	15/11	15 / 12	15/ 11.3	15 / 12	14/ 10.2
Decibels	76	76	76	76	78	78	78	78
AHRI #s	4385138	4385139	4385140	4385141	4385142	4385143	4385144	4385145
HEATING CAPACITY		•						
BUT/h (47°F)	23,400	27,400	35,400	40,000	39,000	45,500	45,500	56,000
C.O.P (47°F)	3.5	3.6	3.5	3.5	3.75	3.4	3.6	3.3
BUT/h (17°F)	12,400	15,200	18,600	20,000	22,000	24,600	25,000	31,400
C.O.P (17°F)	2.2	2.3	2.4	2.2	2.5	2.1	2.2	2.1
HSPF	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
EVAPORATOR MOTOR	•		•	•			•	
Туре	EEM							
Wheel (D x W)	10 x 9							
Nominal Cooling CFM	860	1,000	1,200	1,250	1,250	1,700	1,350	1,800
FLA	4.1	4.1	4.1	4.1	2.9	5.8	2.9	7.6
No. of Speeds	5	5	5	5	5	5	5	5
Horsepower - RPM	1/2 -1,050	½ -1,050	½ -1,050	½ -1,075	¾ - 1,050	³⁄4 - 1,050	¾ - 1,050	1-1,050
EVAPORATOR COIL			'	'	,			
Face Area (ft²)	4.5	4.5	4.5	4.5	6.2	6.2	6.2	6.2
Rows Deep/ Fin per Inch	3/14	3/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14	4/ 14
Expansion Device	TXV							
Drain Size (NPT)	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
R-410A Refrigerant Charge (oz.)	113	128	174	193	233	214	214	207
CONDENSER FAN / COIL			•	•		•		•
Horsepower - RPM	1⁄4 - 850	1/4 - 850	14 - 850	14 - 850	1,075	½ - 1,075	1/4 - 1,075	⅓ - 1,075
FLA/LRA	1.5/3.0	1.5/ 3.0	1.5/3.0	1.5/3.0	1.4 / 2.9	2.5/ 5.2	1.4 / 2.9	2.5/ 5.2
Fan Diameter / # Fan Blades	22/3	22/3	22/3	22/3	22/3	22/3	22/3	22 / 3
Face Area (ft²)	17.2	17.2	17.2	17.2	21.2	21.2	21.2	21.2
Rows Deep/ Fin per Inch	1/22	1/22	2 / 16	2/16	2 / 16	2/16	2 / 16	2 / 16
COMPRESSOR			•			•		
Quantity	1	1	1	1	1	1	1	1
Туре	Scroll							
Stage	Single	Single	Single	Two	Single	Two	Two	Two
ELECTRICAL DATA			•			•		•
Voltage/ Phase/ Hz	208-23	80/1/60	208-23	0/1/60	208-23	0/1/60	208-23	0/1/60
Compressor RLA/ LRA	12.8 / 58	14.1 / 73	16.7 / 79	16.7 / 96	17.9 / 112	21.2 / 96	21.2 / 96	25.6 / 118
Indoor Blower FLA	4.1	4.1	4.1	4.1	2.9	5.8	2.9	7.6
Total Unit Amps	18.4	19.7	22.3	22.3	22.2	29.4	25.5	35.6
Min. Circuit Ampacity ¹	21.6	23.2	26.5	26.5	26.7	34.8	30.8	42.1
Max. Overcurrent Protection ²	30	35	40	40	40	50	50	60
SHIPPING WEIGHT (LBS)	376	385	438	460	492	492	492	523

^{&#}x27; Wire size should be determined in accordance with National Electrical Codes. Extensive wire runs will require larger wire sizes.

Note: Always check the S&R plate for electrical data on the unit being installed.

 $[\]ensuremath{^{^{2}}}$ May use fuses or HACR-type circuit breakers of the same size as noted.

Expanded Cooling Data — GPH1524M41A*

FOTF FINITION FOR PRIME PRATURE 59 63 67 71 59 63 67 22.4 23.2 25.5 - 21.9 22.7 24.8 0.82 0.68 0.47 - 0.85 0.71 0.49 1.7 1.5 1.1 - 1.8 1.5 1.2 1.82 1.86 1.92 - 1.91 1.96 2.02 2.5 8.7 8.9 - 9.0 9.2 9.4 2.5 2.66 3.13 - 1.23 1.31 1.43 2.1 1.24 1.36 - 1.23 1.31 1.43 2.1.8 2.6. 24.7 - 21.2 22.0 24.1 0.8 0.65 0.45 - 0.81 0.67 0.47 1.8 1.6 1.2 0.81 0.67 0.47 1.8 1.6 1.90 1.90 0.91 9.4	<u>u</u>
63 67 71 59 63 23.2 25.5 - 21.9 22.7 0.68 0.47 - 0.85 0.71 1.8 1.1 - 18 15 1.86 1.92 - 1.91 1.96 8.7 8.9 - 9.0 9.2 296 313 - 314 337 124 136 - 123 131 22.6 24.7 - 21.2 22.0 0.65 0.45 - 0.81 0.67 1.85 1.90 - 1.90 1.94 86 8.9 - 8.9 9.1	
23.2 25.5 - 21.9 22.7 0.68 0.47 - 0.85 0.71 15 11 - 18 15 1.86 1.92 - 1.91 1.96 8.7 8.9 - 9.0 9.2 296 313 - 314 337 124 136 - 123 131 22.6 24.7 - 21.2 22.0 0.65 0.45 - 0.81 0.67 16 12 - 18 16 1.85 1.90 - 1.90 1.94 86 8.9 - 8.9 9.1	26.1
0.68 0.47 - 0.85 0.71 15 11 - 18 15 1.86 1.92 - 1.91 1.96 8.7 8.9 - 9.0 9.2 296 313 - 314 337 124 136 - 123 131 22.6 24.7 - 21.2 22.0 0.65 0.45 - 0.81 0.67 16 12 - 18 16 1.85 1.90 - 1.90 1.94 86 8.9 - 8.9 9.1	0.46 - 111 - 11.81 - 275 - 275 - 25.3 - 0.44 - 12.80 - 8.3 - 8.3 - 8.3 - 1.80 - 1.80 - 8.3 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 - 1.80 -
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16 12 - 18 16 1.85 1.90 - 1.90 1.94 8.6 8.9 - 8.9 9.1	1 1 1
1.85 1.90 - 1.90 1.94 8.6 8.9 - 8.9 9.1	1 1
8.6 8.9 - 8.9 9.1	
5:0	
273 293 310 - 310 334 353	272 - 272
116 123 134 - 122 129 141	129 - 1
20.1 20.8 22.8 - 19.6 20.3 22.3	23.4 - 2
0.75 0.63 0.44 - 0.78 0.65 0.45	0.42 - 0
19 16 12 - 19 16 12	12 -
1.77 1.80 1.86 - 1.85 1.89 1.95	1.75 - 1
8.3 8.5 8.7 - 8.9 9.1	8.1 - 8
264 285 300 - 301 324 342	264 - 2
112 119 130 - 118 125 137	125 - 1

23.4	0.44	10	2.26	10.8	467	166	22.7	0.42	10	2.24	10.7	462	165	21.0	0.40	10	2.19	10.5	448	160
21.8	0.68	14	2.19	10.5	447	156	21.2	0.65 (15	2.17 2	10.4	443 4	155	19.6	0.63	15	2.12	10.2	430	150
20.5	0.90	17	2.12	10.2	424	143	19.6	0.86	18	2.10	10.1	420	142	18.1	0.83 (18	2.05	6.6	407	137
19.6	1.00	19	2.08	10.0	394	134	19.0	96.0	19	2.06	6.6	390	133	17.5	0.92	20	2.01	9.7	378	129
25.3	0.43	10	2.19	10.3	422	161	24.5	0.41	11	2.17	10.2	418	159	22.7	0.40	11	2.12	10.0	406	154
23.6	0.67	15	2.12	10.0	405	151	22.9	0.64	16	2.10	6.6	401	149	21.1	0.62	16	2.05	9.7	389	145
21.8	0.89	18	2.05	9.7	383	138	21.1	0.85	19	2.04	9.7	380	137	19.5	0.82	20	1.99	9.4	368	133
21.1	1.00	20	2.01	9.5	356	130	20.5	0.95	21	1.99	9.5	353	129	18.9	0.92	21	1.94	9.3	342	125
26.6	0.42	11	2.10	9.8	375	153	25.8	0.40	11	2.08	9.7	372	152	23.8	0.38	11	2.03	9.2	361	147
24.8	0.65	15	2.03	9.5	360	144	24.1	0.62	16	2.02	9.4	356	143	22.2	09.0	16	1.97	9.5	346	138
22.9	98.0	19	1.97	9.3	341	132	22.2	0.82	19	1.96	9.5	338	131	20.5	0.79	70	1.91	9.0	327	127
22.2	96.0	20	1.93	9.1	317	124	21.6	0.92	21	1.92	0.6	314	123	19.9	0.88	22	1.87	8.8	304	119
27.3	0.41	10	2.00	9.3	330	146	26.5	0.39	11	1.98	9.5	326	145	24.4	0.37	11	1.93	9.0	317	140
25.4	0.63	15	1.94	9.0	316	137	24.7	09.0	16	1.92	8.9	313	136	22.8	0.58	16	1.87	8.7	304	132
23.5	0.83	19	1.88	8.8	299	126	22.8	0.79	19	1.86	8.7	296	124	21.0	0.77	20	1.82	8.5	287	121
22.8	0.93	20	1.84	9.8	278	118	22.1	0.89	21	1.82	8.5	275	117	20.4	98.0	21	1.78	8.4	267	113
27.9	0.40	10	1.88	8.7	290	140	27.1	0.38	11	1.87	8.6	287	139	25.0	0.36	11	1.82	8.4	278	135
26.0	0.61	15	1.82	8.4	278	132	25.3	0.59	16	1.81	8.4	275	131	23.3	0.56	16	1.77	8.2	267	127
24.1	0.81	19	1.77	8.2	263	121	23.4	0.77	19	1.76	8.2	261	120	21.6	0.75	20	1.71	8.0	253	116
23.4	0.91	20	1.73	8.1	245	114	22.7	0.87	21	1.72	8.0	242	112	20.9	0.83	21	1.68	7.8	235	109
28.6	0.38	10	1.75	8.2	258	133	27.8	0.36	11	1.74	8.1	256	132	25.6	0.35	11	1.70	7.9	248	128
26.7	0.59	15	1.70	7.9	248	125	23.9 25.9	0.75 0.57	16	1.68	7.9	245	124	23.9	0.72 0.55	16	1.65	7.7	238	120
24.6	0.78	18	1.65	7.7	235	114			19	1.64	7.7	232	113	21.4 22.1 23.9		19	1.60	7.5	225	110
23.9	0.88	20	1.62	7.6	218	107	23.2	0.84	21	1.60	7.5	216	106	21.4	0.81	21	1.57	7.4	209	103
MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR
			970							980							750			
							_			75										

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects ACCA (TVA) conditions

EXPANDED COOLING DATA — GPH1524M41A* (cont.)

MBh		63 63 63 63 63 63 63 63 63 63 63 63 63 6	67 26.6 0.73	71		75ºF		H		85ºF		\vdash	85°F 95°F	95ºF				105ºF				115ºF	
970 860		63 24.9 0.90 21 1.66 7.8 237 116	67 26.6 0.73 18	71						THE COLUMN													
970		24.9 24.9 0.90 21 1.66 7.8 237 116	67 26.6 0.73 18	71					Ē	NEKIN	3 INDOC	R WET	ENTERING INDOOR WET BULB TEMPERATURE	MPERA	TURE								
970		24.9 0.90 21 1.66 7.8 237 116	26.6 0.73 18		29	63	29	71	29	63	29	71	29 (63		71	29 6	9	. 29	71 5	59 63	3 67	71
970		0.90 21 1.66 7.8 237 116	0.73	28.4	23.8	24.3	26.0	27.7	23.2	23.7	25.3	27.1 2	22.6 2	23.1 2	24.7 2	26.4 2	21.5 23	22.0 2	23.5 2	25.1 19	9.9 20.	.4 21.8	8 23.3
970		21 1.66 7.8 237 116	18	0.55	1.00	0.93	92.0	0.57	1.00 (96.0	0.78	0.58	1.00 1	1.00 0	0.80	0.60	1.00 1.	1.00 0	0.83 0	0.62 1.	1.00 1.0	1.00 0.84	4 0.63
860		1.66 7.8 237 116		15	23	21	19	15	22	22	19	15	21	22	19	15 3	20 2	21	19	15 1	19 19	9 17	, 14
860		7.8 237 116	1.71	1.76	1.75	1.78	1.84	1.90	1.85	1.89	1.95	2.01	1.95 1	1.99 2	2.05 2	2.12 2	2.03 2.	.07	.13 2.	20	2.09 2.3	.14 2.2	21 2.28
098		237	8.0	8.2	8.1	8.3	8.5	8.7	8.7	8.8	9.1	9.3	9.1	9.3	9.6	9.9 9	9.6	9.8	10.1	10.4 10	10.1 10.	.3 10.	6 10.9
098	_	116	250	261	247	266	281	293	281	302	319	333	320 3	344 3	364 3	379 3	360 3	387 4	409 4	427 3	398 42	428 452	2 471
098	\vdash		126	134	115	122	133	142	119	127	138	147	125 1	133 1	145 1	155 1	131 1	140 1	152 1	162 1	136 14	144 158	8 168
098	-	24.1	25.8	27.6	23.1	23.6	25.2	26.9	22.5	23.0	24.6	26.3	22.0 2	22.5	24.0 2	25.7 2	20.9 2	21.3 2	22.8 2	24.4 19	9.3 19.	.8 21.1	1 22.6
098	0.92	0.86	0.70	0.52	0.95	0.89	0.72	0.54	0.97	0.91	0.74	0.56	1.00 0	0.94 0	0.77 0	0.57 1	1.00 0.	0.98 0	0.80	0.60 1.	1.00 0.9	0.99 0.8	.80 0.60
098	23	22	19	15	23	22	20	16	23	22	20	16	24	23	20	16	22 2	22	19	16 2	21 2	21 18	3 14
Amps Hi PR	1.62	1.65	1.70	1.75	1.73	1.77	1.82	1.88	1.84	1.88	1.94	2.00	1.93 1	1.97	2.03 2	2.10 2	2.01 2.	2.05 2	2.12 2	2.19 2	2.08 2.3	2.12 2.19	9 2.26
Hi PR	9.7	7.7	7.9	8.2	8.1	8.2	8.4	8.7	9.8	8.8	0.6	9.3	9.1	9.3	9.5	9.8	9.5 9	9.7 1	10.01	10.3 1	10.0	10.2 10.5	5 10.8
-	218	235	248	258	245	263	278	290	278	299	316	330	317 3	341	360	375 3	356 3	384 4	405 4	422 3	394 42	424 447	7 467
LOPK	107	114	125	133	114	121	132	140	118	126	137	146	124 1	132	144	153 1	130 1	138 1	151 1	161 1	134 17	143 156	6 166
MBh	21.8	22.3	23.8	25.5	21.3	21.8	23.3	24.9	20.8	21.3	22.7	24.3	20.3 2	20.7 2	22.2	23.7 1	19.3 19	19.7 2	21.0 2	22.5	17.9 18.2	.2 19.5	5 20.8
S/T	0.88	0.83	0.67	0.50	0.92	0.86	0.70	0.52 (0.94 (0.88	0.72	0.54 (0.97 0	0.91 0	0.74 0	0.55 1	1.01 0.	0.94 0	0.77 0	0.57 1.	1.01 0.95	95 0.77	7 0.58
ΔT	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24 2	23	20	16 2	22 21	1 18	3 15
750 kW	1.58	1.61	1.66	1.71	1.69	1.73	1.78	1.84	1.79	1.83	1.89	1.95	1.88 1	1.92	.98 2	2.05 1	.96 2.	.00 2.	07	2.13 2.	2.03 2.0	.07 2.14	4 2.21
Amps	7.4	7.6	7.8	8.0	7.9	8.0	8.2	8.5	8.4	9.8	8.8	9.1	8.9	9.0	9.3	9.6	9.3 9	9.5	9.8	10.1 9.	8	10.0 10.	2 10.6
Hi PR	211	228	240	251	237	255	270	281	270	290	307	320	307 3	331 3	349 3	364 3	346 3	372 3	393 4	410 3	382 411	.1 434	4 453
Lo PR	104	111	121	129	110	117	128	136	114	122	133	142	120 1	128 1	140 1	149 1	126 1	134 1	146 1	156 1	130 13	139 151	1 161

6 26.2 21.9 22.3	6 0.78 1.00 1.00	19 21	7 2.13 2.04 2.09	9.9 9.7 9.9	7 383 364 391	7 156 133 141	9 25.5 21.2 21.7	2 0.74 1.00 1.00	20 23	5 2.12 2.03 2.07	8.6 9.6 9.8	1 379 360 387	5 155 131 140	0 23.5 19.6 20.0	8 0.72 1.00 1.00	21 24	.00 2.07 1.98 2.02	.4 9.6 9.4 9.6	3 368 349 376	1 150 127 135
23.0 23.5 24.6	1.00 1.00 0.96	22 22 22	1.96 2.00 2.07	9.2 9.4 9.6	323 348 367	126 135 147	22.4 22.8 23.9	1.00 1.00 0.92	24 24 23	1.95 1.99 2.05	9.1 9.3 9.6	320 344 364	125 133 145	20.6 21.0 22.0	1.00 0.98 0.88	25 25 24	1.90 1.94 2.0	8.9 9.1 9.	310 334 353	121 129 141
25.2 26.9	0.93 0.76	22 19	1.97 2.03	9.1 9.4	322 336	140 149	24.5 26.1	0.89 0.72	23 20	1.95 2.01	9.1 9.3	319 333	138 147	22.6 24.1	0.86 0.70	24 21	1.90 1.96	8.9 9.1	310 323	134 143
23.6 24.1	1.00 1.00	22 23	1.87 1.91	8.7 8.9	284 305	120 128	22.9 23.4	1.00 0.98	25 25	1.85 1.89	8.7 8.8	281 302	119 127	21.2 21.6	0.98 0.95	26 25	1.81 1.85	8.5 8.6	273 293	116 123
25.8 27.6	0.91 0.74	22 19	1.85 1.91	8.5 8.8	284 296	135 143	25.1 26.8	0.87 0.70	23 20	1.84 1.90	8.5 8.7	281 293	133 142	23.1 24.7	0.84 0.68	24 21	1.79 1.85	8.3 8.5	272 284	129 138
24.2 24.7	1.00 1.00	23 23	1.76 1.80	8.2 8.3	249 268	116 123	23.5 23.9	1.00 0.96	25 25	1.75 1.78	8.1 8.3	247 266	115 122	21.7 22.1	0.96 0.93	26 25	1.71 1.74	8.0 8.1	240 258	111 118
26.4 28.2	0.88 0.71	22 19	1.64 1.67 1.72 1.78	8.0 8.3	253 264	127 136	24.0 24.5 25.7 27.4	0.84 0.68	23 20	1.71 1.76	8.0 8.2	250 261	126 134	23.7 25.3	0.81 0.65	23 20	1.67 1.72	7.8 8.0	243 253	122 130
24.8 25.2 26.4 28.2	1.00 0.97	23 23	1.64 1.67	7.7 7.8	222 239	110 117 127	24.0 24.5	0.96 0.93	25 24	1.63 1.66 1.71	7.7 7.8	220 237	109 116	22.2 22.6	0.93 0.89	25 25	1.59 1.62	7.5 7.6	214 230	105 112
MBh	S/T	ΔT	970 kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	860 kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	750 kW	Amps	Hi PR	Lo PR

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects AHRI (TVA) conditions

Expanded Cooling Data — GPH1530M41A*

_	_			_			_		_			_		_	_		_	_		_	_	_	_	
			71	١.						٠	,						٠					٠		
	F O		29	26.4	0.51	11	2.59	11.6	470	159	25.6	0.49	12	2.57	11.5	465	157	23.7	0.47	12	2.50	11.2	451	153
	115ºF		63	24.1	0.74	15	2.51	11.3	445	145	23.4	0.70	15	2.49	11.2	441	144	21.6	0.68	15	2.42	10.9	427	140
			29	23.3	0.88	17	2.45	11.0	414	137	22.6	0.84	18	2.43	10.9	409	135	20.8	0.81	18	2.37	10.7	397	131
			71	-	-		-		-	,	-	-					,	-		-	-		-	-
	L		29	28.5	0.51	12	2.50	11.0	425	154	27.7	0.48	12	2.48	10.9	421	152	25.6	0.47	13	2.42	10.7	409	147
	105ºF		63	26.0	0.73	16	2.42	10.7	403	141	25.3	0.70	16	2.40	10.6	399	139	23.3	0.67 (17	2.34	10.3	387	135
			29	25.1 2	0.88	18	2.37 2	10.5 1	374 4	132	24.4 2	0.84 C	19	2.35 2	10.4	371	131	22.5 2	0.81 C	19	2.29 2	10.1	359	127
			71	- 2	0 -		- 2	- 1	-	-	- 2	0 -	-	- 2	- 1	-	-	- 2	0 -	_	- 2	- 1	-	-
		rure	. 29	30.0	0.49	12	2.40	10.4	378	146	29.1	0.47	12	2.38	10.3	374	145	26.9	0.45	13	2.32	10.1	363	141
ATURE	95≗F	MPERAT	9 6	27.4 30	0.71 0.	16 1	2.32 2.	10.1	358 3	134 1	26.6	0.67	16	2.30 2	10.0	355 3	133 1	24.6 20	0.65 0.	17 1	2.25 2.	9.8 10	344 3	129 1
OUTDOOR AMBIENT TEMPERATURE		BULB TEMPERATURE	29 6	26.4 27	0.85 0.	18 1	2.27 2.	9.9 10	333 3.	126 13	25.7 26	0.81 0.	19 1	2.25 2.	9.8 10	329 3	125 13	23.7 24	0.78 0.	19 1	2.20 2.	9.6	320 3	121 13
BIENT	\dashv	WET B	Н	. 26	Н	_	\vdash	- 9	-	- 13	- 25	- 0.	- 1	- 2.	- 9	. 3.	- 13	23	0.	. 1	2.	Н	- 32	Н
OR AM		NDOOR	7 71	8.	- 21	- 2	- 83		.2 -							. 6		- 9:	+1		- 0	- 2		- 4
Оптро	85ºF	ENTERING INDOOR WET	29 8	1 30.8	8 0.47	5 12	1 2.28	5 9.8	4 332	8 139	3 29.9	5 0.45	5 12	9 2.26	4 9.7	1 329	6 138	2 27.6	3 0.44	7 13	3 2.20	2 9.5	2 319	3 134
		ENTE	63	1 28.1	2 0.68	3 16	6 2.21	3 9.5	2 314	0 128	3 27.3	8 0.65	16	4 2.19	9.4	9 311	9 126	3 25.2	5 0.63	17	9 2.13	9.2	1 302	5 123
	\dashv		29	27.1	0.82	18	2.16	9.3	292	120	26.3	0.78	19	2.14	9.2	289	119	24.3	0.75	19	2.09	9.0	281	115
			71	-		-	1 -		٠	-		1 -	•	-	1	- (-			1	/	1	-	_
	75ºF		29	31.5	0.46	12	2.14	9.1	292	134	30.6	0.44	12	5 2.12	9.0	289	133	3 28.2	0.42	13	2.07	8.8	280	129
			63	28.8	0.67	16	2.07	8.8	276	123	27.9	0.64	16	2.06	8.7	274	122	25.8	0.61	17	2.01	8.5	265	118
			29	27.8	0.80	18	2.03	8.6	257	116	26.9	0.76	19	2.01	8.6	254	114	24.9	0.73	19	1.96	8.4	247	111
			71	٠	-	•	-	•	1	'	'	1	•	,	•	•	'		•	1	-	•	1	1
	65ºF		29	32.3	0.45	12	1.99	8.5	260	127	31.3	0.43	12	1.97	8.4	258	126	28.9	0.41	12	1.92	8.2	250	122
	9		63	29.5	0.64	15	1.92	8.2	246	116	28.6	0.61	16	1.91	8.2	244	115	26.4	0.59	16	1.86	8.0	237	112
			29	28.4	0.77	18	1.88	8.1	229	109	27.6	0.73	19	1.87	8.0	227	108	25.5	0.71	19	1.82	7.8	220	105
			WO.	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR
			AIRFLOW				1125				Г			1000							875			
			IDB	_			_		_		<u> </u>	_		02						_	_		_	

28.3	0.44	10	2.70	12.2	495	171	27.5	0.42	11	2.68	12.0	490	169	25.4	0.40	11	2.61	11.7	476	164	
26.4	0.68	15	2.61	11.7	475	160	25.6	0.65	15	2.59	11.6	470	159	23.6	0.63	16	2.53	11.3	456	154	
24.4	0.90	18	2.53	11.4	450	147	23.6	98.0	19	2.51	11.3	445	145	21.8	0.83	19	2.44	11.0	432	141	l i
23.7	1.00	19	2.47	11.1	418	138	23.0	96.0	20	2.45	11.0	414	137	21.2	0.92	21	2.39	10.8	401	133	
30.5	0.43	11	2.61	11.5	448	165	29.7	0.41	11	2.59	11.4	444	164	27.4	0.40	11	2.52	11.1	430	159	
28.5	0.67	16	2.52	11.1	430	155	27.6	0.64	16	2.50	11.0	425	154	25.5	0.62	17	2.44	10.7	413	149	
26.3	0.89	19	2.44	10.8	407	142	25.5	0.85	20	2.42	10.7	403	141	23.6	0.82	20	2.36	10.4	391	136	
25.5	1.00	21	2.39	10.6	378	134	24.8	0.95	22	2.37	10.5	374	132	22.9	0.92	22	2.31	10.2	363	128	
32.2	0.42	11	2.50	10.9	398	158	31.2	0.40	11	2.48	10.8	394	156	28.8	0.38	12	2.42	10.5	383	151	
30.0	0.65	16	2.42	10.5	382	148	29.1	0.62	17	2.40	10.4	378	147	26.8	0.60	17	2.34	10.1	367	142	
27.7	0.86	19	2.34	10.2	362	136	26.9	0.82	20	2.32	10.1	358	134	24.8	0.79	21	2.26	8.6	347	130	
26.9	96.0	21	2.29	10.0	336	127	26.1	0.92	22	2.27	6.6	333	126	24.1	0.88	22	2.22	9.6	323	122	0
33.0	0.41	11	2.37	10.2	350	150	32.0	0.39	11	2.35	10.1	346	149	29.5	0.37	12	2.30	6.6	336	144	
30.7	0.63	16	2.30	6.6	332	141	29.8	09.0	16	2.28	8.6	332	139	27.5	0.58	17	2.22	9.5	322	135	ļ `
28.4	0.83	19	2.22	9.6	318	129	27.5	0.79	20	2.21	9.5	314	128	25.4	0.77	20	2.15	9.3	305	124	
27.6	0.93	21	2.18	9.4	295	121	26.8	0.89	22	2.16	9.3	292	120	24.7	0.86	22	2.11	9.1	283	116	
33.8	0.40	11	2.23	9.5	308	144	32.8	0.38	11	2.21	9.4	305	143	30.3	0.36	12	2.16	9.2	295	139	
31.5	0.61	16	2.16	9.5	295	136	30.5	0.59	16	2.14	9.1	292	134	28.2	0.56	17	2.09	8.9	283	130	
29.1	0.81	19	2.09	8.9	279	124	28.2	0.77	20	2.07	8.8	276	123	26.0	0.75	20	2.02	9.8	268	119	
28.2	0.91	21	2.05	8.7	259	117	27.4	0.87	22	2.03	9.8	257	116	25.3	0.83	22	1.98	8.4	249	112	
34.6	0.38	11	2.07	8.8	274	137	33.6	98.0	11	2.05	8.7	271	135	31.0	0.35	11	2.00	8.5	263	131	
32.2	0.59	16	2.00	8.5	263	128	31.3	0.57	16	1.99	8.5	260	127	28.9	0.55	17	1.94	8.3	252	123	
29.8	0.78	19	1.94	8.3	249	118	28.9	0.75	20	1.92	8.2	246	116	26.7	0.72	20	1.88	8.0	239	113	
28.9	0.88	21	1.90	8.1	231	110	28.1	0.84	22	1.88	8.1	229	109	25.9	0.81	22	1.84	7.9	222	106	!
MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	
			1125			_				1000							875				
										75				_			_				

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects ACCA (TVA) conditions

EXPANDED COOLING DATA — GPH1530M41A* (cont.)

1
75ºF
63
2.18
9.
298
137
30.5
0.72
20
2.16
9.2
295
136
28.1
0.70
21
2.11
8.9
286
100

29.7 31.7	0.96 U./8 L.UU	2 2 20	107 111	10.7	390 406 386	151 161 136	28.9 30.8 25.7	0.92 0.74 1.00	24 21 24	2.44 2.52 2.41	10.6 11.0 10.6	386 402 382	149 159 135	26.6 28.4 23.7	0.88 0.72 1.00	25 21 25	2.38 2.46 2.35	10.3 10.7 10.4	374 390 371	145 154 131
27.8	0.76 1.00 1.00	7 33	101	1.0.1	357 343 369	153 130 138	31.6 27.0 27.6	0.72 1.00 1.00	21 25 25	2.39 2.31 2.36	10.3 10.0 10.3	353 340 365	152 129 137	29.1 24.9 25.4	0.70 1.00 0.98	21 26 26	2.33 2.25 2.30	10.0 9.8 10.0	343 329 354	147 125 133
29.1	1.00 1.00 0.93	2 24	0 7):(301 324 342	124 132 144	27.7 28.2 29.6	1.00 0.98 0.89	25 26 24	2.19 2.24 2.32	9.5 9.7 10.0	298 321 339	123 130 142	25.6 26.1 27.3	0.98 0.95 0.86	26 26 25	2.14 2.19 2.26	9.2 9.4 9.7	289 311 329	119 126 138
31.2 33.3	72 20	777 017	03 06	0.0	301 314	138 147	30.3 32.3	0.87 0.70	24 21 2	2.18 2.25	9.2 9.5	298 311 2	137 146	28.0 29.8	0.84 0.68	25 21 2	2.12 2.19	9.0 9.3 9	289 301	133 141
29.2	0./1 1.00 1.00	2 08 2	S 0	0.0	280 265 285	139 119 127	33.1 28.4 28.9	0.68 1.00 0.96	21 26 26	2.08 2.06 2.11	8.9 8.8 9.0	277 262 282	138 118 125	30.5 26.2 26.7	0.65 0.96 0.93	21 26 26	2.03 2.01 2.06	8.7 8.6 8.7	269 254 274	134 114 122
30.5 31.9	0.97 0.88	1 97 2 03	2 / 8 / 8	0.0	254 268	120 131	29.6 31.0	0.93 0.84	25 24	1.96 2.02	8.4 8.6	251 265	119 130	27.3 28.6	0.89 0.81	26 24	1.91 1.97	8.2 8.4	244 257	115 126
	5/1 L.UU	+	Vmps	+	Hi PR 236	Lo PR 113	MBh 29.1	S/T 0.96	ΔT 26	1000 kW 1.91	Amps 8.2	Hi PR 234	Lo PR 112	MBh 26.8	S/T 0.93	ΔT 26	875 KW 1.87	Amps 8.0	Hi PR 227	Lo PR 108

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects AHRI (TVA) conditions

Expanded Cooling Data — GPH1536M41A*

		- 1									ō	TDOOR	AMBIE	OUTDOOR AMBIENT TEMPERATURE	PERATU	IRE									
			65	65ºF			7	75ºF			82	85ºF			95	95≗F			105ºF	Ϋ́			115ºF		
											ENTERII	NG INDO	OOR W	ET BULB	TEMPE	ENTERING INDOOR WET BULB TEMPERATURE									
1 1	AIRFLOW	59	63	67	71	29	63	29	71	59	63	67	71	29	63	29	71	29	63	29	71	29	63	. 29	71
	MBh	34.6	35.9	39.3	١.	33.8	35.1	38.4	,	33.0	34.2	37.5	١.	32.2	33.4	36.6	-	30.6	31.7	34.8	- 2	28.4 2	29.4 3	32.2	
_	T/S	0.76	0.64	0.44	۱,	0.79	0.66	0.46	-	0.81	0.68	0.47	٠	0.84	0.70	0.48	-	0.87	0.73	0.50	0 -	0.88 0	0.73 0	0.51	
_	ΔT	18	16	12	١.	18	16	12	-	18	16	12		18	16	12	-	18	16	12	-	17	15	11	,
1350	kW	2.26	2.31	2.38		2.44	2.49	2.57		2.59	2.65	2.73		2.72	2.78	2.88	-	2.84	2.90	3.00	- 2	2.94 3	3.00 3	3.10	
_	Amps	10.8	11.0	11.3		11.5	11.7	12.0	-	12.3	12.5	12.9	-	13.0	13.2	13.6	-	13.7	13.9	14.3	- 1	14.3 1	14.6 1	15.0	
_	Hi PR	228	245	259		256	275	290	-	291	313	330		331	356	376	-	372	401	423	- 4	411 4	443 4	468	,
\neg	Lo PR	107	114	125		114	121	132	1	118	126	137	٠	124	132	144	-	130	138	151	- 1	134 1	143 1	156	,
i — '	MBh	33.6	34.9	38.2		32.9	34.1	37.3	-	32.1	33.2	36.4		31.3	32.4	35.5	-	29.7	30.8	33.8	- 2	27.5 2	28.5 3	31.3	,
	S/T	0.73	0.61	0.42	٠	0.75	0.63	0.44	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.83	69.0	0.48	- 0	0.84 0	0.70 0	0.48	
_	L∇	19	16	12		19	16	12	-	19	16	12	-	19	17	13	-	19	16	12	-	18	15	12	1
1200	kW	2.25	2.29	2.36		2.42	2.47	2.55	١.	2.57	2.62	2.71	٠	2.70	2.76	2.85	-	2.82	2.88	2.97	- 2	2.91 2	2.98 3	3.08	,
_	Amps	10.7	10.9	11.2	٠	11.4	11.6	11.9	-	12.2	12.4	12.8	٠	12.9	13.1	13.5	-	13.5	13.8	14.2	- 1	14.2 1	14.5 1	14.9	
_	Hi PR	225	243	256	٠	253	272	287	-	288	310	327	1	328	353	372	-	369	397	419	7 -	407 4	438 4	463	
	Lo PR	106	113	124		112	120	131	٠	117	124	136	•	123	131	142	-	129	137	149	-	133 1	141 1	154	
Г	MBh	31.1	32.2	35.3	١.	30.3	31.4	34.4	-	29.6	30.7	33.6	٠	28.9	29.9	32.8	-	27.4	28.4	31.2	- 2	25.4 2	26.3 2	28.9	٠,
_	S/T	0.70	0.59	0.41	٠.	0.73	0.61	0.42	-	0.75	0.62	0.43	-	0.77	0.64	0.45	-	0.80	0.67	0.46	- 0	0.81 0	0.67 0	0.47	
_	ΔT	19	17	13		19	17	13		19	17	13	٠	19	17	13	-	19	17	13	_	18	16	12	,
1050	kW	2.19	2.24	2.31	•	2.36	2.41	2.49	1	2.51	2.56	2.64	1	2.64	2.69	2.78	-	2.75	2.81	2.90	- 2	2.84 2	2.90 3	3.00	,
	Amps	10.5	10.7	11.0		11.2	11.4	11.7	١.	11.9	12.2	12.5	٠	12.6	12.8	13.2	-	13.2	13.5	13.9	- 1	13.9 1	14.2 1	14.6	,
	Hi PR	219	235	249	٠	245	264	279	١	279	300	317	1	318	342	361	-	358	385	406	(1)	395 4	425 4	449	,
_	Lo PR	103	110	120	1	109	116	127	1	113	121	132	1	119	127	138	-	125	133	145	-	129 1	137 1	150	,

power + fans)	system (comp.	kW = Total system power unit amps (comp.+ fans)	kW = Total system power	s = out	Amk			itions	Shaded area reflects ACCA (TVA) conditions	CCA (TV	flects A	area re	Shaded						tings.	access fil	suction	iquid &	erature I at the I	ulb Temp neasured	IDB: Entering Indoor Dry Bulb Temperature High & low pressures are measured at the liquid & suction access fittings	tering Indi low pressi	IDB: Ent High & I
161	151	139	130 1	156 1	146 1		6 134	9 126	149	140	128	120	142	133	122	114	136	128	117	110	129	121	111	104	Lo PR		
473	454	430	399 4	428 3	411 47		1 389	1 361	5 381	365	346	321	334	320	303	282	294	282	267	248	262	251	238	221	Hi PR		
15.2	14.7	14.3	14.0 1	14.4 1	14.0 14		.3 13.6	7 13.3	3 13.7	13.3	12.9	12.7	13.0	12.6	12.2	12.0	12.1	11.8	11.5	11.2	11.4	11.1	10.6 10.8		Amps		_
3.13	3.02	2.93	2.86 2	3.02 2	2.92		7 2.83	0 2.77	0 2.90	2.80	2.72	2.66	2.75	2.66	2.58	2.53	2.59	2.51	2.43	2.38	2.40	2.33	2.26	2.21	kW	1050	
11	16	19	21	12	17 1		20	22	12	17	21	23	12	17	21	22	12	17	21	22	11	17	20	22	ΔT		_
0.40	0.62	0.82 (0.92 0	0.40 0	0.62 0.		1 0.81	8 0.91	9 0.38	0.59	0.78	0.88	0.37	0.57	0.76	0.85	0.36	0.56	0.74	0.83	0.35	0.54	0.71	08.0	S/T		_
30.9	28.8	26.6	25.8 2	33.4 2	31.1 33		9 28.7	1 27.9	7 35.1	32.7	30.2	29.4	36.0	33.6	31.0	30.1	36.9	34.4	31.8	30.8	37.8	35.2	32.5	31.6	MBh		
166	156	143	134 1	161 1		8 151	0 138	3 130	153	144	132	124	146	137	126	118	140	132	121	114	133	125	114	107	Lo PR		
488	468	443 4	412 4	441 4	423 44		2 401	2 372	5 392	376	356	331	345	330	313	291	303	290	275	256	270	259	245	228	Hi PR		
15.5	15.0	14.6	14.3 1	14.8 1	14.3 14		7 13.9	0 13.7	6 14.0	13.6	13.2	13.0	13.3	12.9	12.5	12.3	12.4	12.0	11.7	11.5	11.6	11.3	11.0	10.8 11.0 11.3	Amps		
3.21	3.10	3.00	2.94 3	3.10 2	3.00 3.		4 2.90	7 2.84	8 2.97	2.88	2.78	2.72	2.82	2.73	2.65	2.59	2.65	2.57	2.49	2.44	2.46	2.38	2.31	2.26	kW	1200	75
11	15	19	20	\vdash	16 11		20	22	12	17	20	22	11	17	20	22	11	17	20	22	11	16	20	22	ΔT		
0.41	0.64	0.85 (0.95 0	_	0.64 0.41		14 0.84	0 0.94	1 0.40	0.61	0.81	0.91	0.38	09.0	0.79	0.88	0.37	0.58	0.77	0.86	0.36	0.56	0.74	0.83	S/T		
33.5	31.2	28.8	28.0 2	36.2 2	33.7 36		2 31.1	1 30.2	5 38.1	35.5	32.8	31.8	39.0	36.4	33.6	32.6	40.0	37.2	34.4	33.4	40.9	38.1	35.2	34.2	MBh		
168	158	144	136 1	162 1	152 16		1 140	5 131	5 155	145	133	125	147	138	127	119	142	133	122	115	134	126	115	109	Lo PR		
493	472	447	416 4	446 4	427 44		6 405	5 376	396	380	360	334	348	334	316	294	306	293	278	258	273	261	248	230	Hi PR		
15.6	15.2	14.7	14.4	14.9 1	14.4 14		.8 14.0	1 13.8	7 14.1	13.7	13.3	13.1	13.4	13.0	12.6	12.4	12.5	12.1	11.8	11.6	11.7	11.4	11.1	10.9	Amps		_
3.24	3.13	3.03	2.96 3	3.13 2	3.02 3.	.93 3.	.86 2.9	2.	0 3.00	2.90	2.81	2.75	2.85	2.75	2.67	2.61	2.67	2.59	2.51	2.46	2.48	2.40	2.33	2.28	kW	1350	
10	15	18	20	11	16 1		19	21	11	16	20	21	11	16	19	21	11	16	19	21	11	16	19	21	ΔT		_
0.43	0.67	0.89	1.00 0	0.43 1	0.67 0.		9 0.88	1 0.99	4 0.41	0.64	0.85	0.95	0.40	0.62	0.82	0.92	0.39	0.61	0.80	0.90	0.38	0.59	0.78	0.87	S/T		
34.5	32.1	29.7	28.8	37.2 2	34.7 37		1 32.1	2 31.1	39.	36.5	33.7	32.8	40.2	37.4	34.6	33.6	41.2	38.4	35.4	34.4	42.1	39.3	36.3	35.2	MBh		

EXPANDED COOLING DATA — GPH1536M41A* (cont.)

2.42 2.47 2.55 2.63 2.57 11.4 11.6 11.9 12.3 12.2	0.98 0.94 0.85 0.69 27 26 25 21 2.57 2.62 2.71 2.80	30.4 1.00 27		158 37.5 0.74 21 3.02 14.2 400 156 34.6 0.71	413 413 4142 31.9 31.9 31.9 24 2.95 3 114.2 1141 29.5 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95 32.95	15.1 1 1455 4 166 35.7 2 35.7 2 21 2.1 3.15 2 15.0 1 164 1 1
2.47 2.55 2.63 11.6 11.9 12.3	2.5	26 25	0.94 0.85 0.69	0.94 0.85 0.69 1.00 0.97	0.94 0.85 0.69 1.00 0.97 0.88 0.71	0.94 0.85 0.69 1.00 0.97 0.88 0.71 1.00 1.00 26 25 21 27 26 25 22 26
	1.00 0.97 0.88 0.71 1.00 1.00 0.91 0.74 27 26 25 22 25 25 21	147 156 133 141 154 164 32.5 34.6 28.9 29.5 30.9 32.9 0.88 0.71 1.00 1.00 0.91 0.74 25 22 25 26 25 21	13.9 14.2 14.5 15.0 380 409 432 450 133 141 154 164 28.9 29.5 30.9 32.9 1.00 1.00 0.91 0.74	142 155 166 31.9 33.4 35.7 1.00 0.94 0.77 24 24 21 2.95 3.05 3.15 14.2 14.5 15.0 409 432 450 141 154 164 29.5 30.9 32.9 1.00 0.91 0.74		

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects AHRI (TVA) conditions

EXPANDED COOLING DATA — GPH1542M41A* – Low Stage

FORTION OF METAIL INCOME NOTE IN LICE AND PREMATURE FORTION OF METAIL INCOME NOTE IN LICE AND PREMATURE FORTION OF METAIL INCOME NOTE IN LICE AND PREMATURE FORTION OF METAIL INCOME NOTE IN LICE AND PREMATURE FORTION OF METAIL INCOME NOTE IN LICE AND PREMATURE FORTION OF METAIL INCOME NOTE AND PREMATURE FORTION OF METAIL INCOME NOTE AND PREMATURE 1.8	1												[ة ا	TDOOR	AMBIE	OUTDOOR AMBIENT TEMPERATURE	IPERATL	E E									
Mile					65	PE.		Ц	7	5ºF			85	Jē!		Ц	95	3ºF			105ºF	Jē!	П		115ºF	₽£	
MBH 26.9 63 67 71 59 63 67 71 59 63 67 71 59 63 67 71 59 63 67 71 59 67 71 50 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20													ENTERI	NG INDO	DOR W	ET BULB	TEMPE	RATURE									
955 MBh 26.9 27.9 30.6 - 26.3 27.9 26.9 27.9 30.6 - 26.3 27.9 26.0 28.9 - 25.7 26.6 29.2 - 25.1 26.0 28.5 - 20.8 - 20.8 - 20.8 - 20.8 - 20.8 - 20.8 - 20.8 - 20.8 - 20.8 - 20.8 - 20.8 - 20.8 - 20.8 - 20.8 - 20.9 - 20.7 0.55 0.45 0.7 0.55 0.45 0.7 0.55 0.4 - 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 10.2 1	Н	AIRF	MOT	59	63	- 67	71	29	63	29	71	59	63	29	71	59	63	29	71	29	63	29	71	29	63	29	71
AVI 1.80 0.59 0.41 - 0.42 - 0.75 0.62 0.43 - 0.70 0.59 0.41 - 0.73 0.61 0.42 - 0.75 0.62 0.43 - 16 12 19 16 12 19 16 12 19 16 12 19 16 12 19 16 12 19 16 12 19 10 16 12 19 10 16 12 19 10 16 12 19 10 10 10 11 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10			MBh	26.9	27.9	30.6	-	26.3			١.	25.7	26.6	29.2	-	25.1	26.0	28.5	-	23.8	24.7	27.0	-	22.1	22.9	25.1	
AT 18 16 12 - 19 16 12 - 19 16 12 - 19 16 12 - 19 16 12 - 19 16 12 - 19 16 12 19 16 12 19 16 12 19 16 12 19 16 12 19 16 12 19 16 12 12 11 12 11 12 11 12 12 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.10 2.12 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.19 2.1	—		S/T	0.70	0.59	0.41	١,	0.73			٠,	0.75	0.62	0.43	-	0.77	0.65	0.45	-	0.80	0.67	0.46	-	0.81	0.68	0.47	
KW 1.80 1.84 1.90 - 1.94 1.99 2.06 - 2.07 2.19 - 2.24 2.31 - 2.08 - 2.09 2.10 - 2.19 - 2.19 2.24 2.31 - 2.24 2.31 - 1.91 1.11 1.20 3.73 3.74 3.41 3.60 - 2.23 1.20 3.73 3.41 3.60 - 2.10 3.75 3.71 3.41 3.60 - 3.57 3.71 3.41 3.60 - 3.57 3.71 3.41 3.60 - 3.57 3.71 3.41 3.60 - 3.57 3.71 3.71 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.72 3.	—		ΔT	18	16	12	١.	18	16	12	۱.	19	16	12	-	19	16	12	-	18	16	12	-	17	15	11	-
Amps 7.7 8.1 8.3 8.5 8.7 9.0 9.2 9.5 9.6 9.8 10.1 9.0 9.2 9.5 9.6 9.8 10.1 9.0 114 128 128 248 248 248 248 248 248 248 248 248 248 248 248 263 278 300 316 - 317 341 360 - 357 Lo PR 100 114 124 - 113 120 131 - 148 125 137 - 131 144 - 130 140 - 149 144 - 130 140 - 149 17 149 17 13 - 140 0.71 0.60 0.41 0.74 0.62 0.83 0.40 - 170 0.74 0.72 0.70 0.74 0.70 0.74 0.70 0.76 0.74 0.70 0.76		955	kW	1.80	1.84	1.90		1.94				2.07	2.12	2.19		2.19	2.24	2.31	-	2.28	2.33	2.41	-	2.36	2.42	2.50	-
Hi PR 218 235 248 - 245 263 278 - 278 300 316 - 317 341 360 - 315 419 17 419 125 137 - 131 144 - 131 144 - 131 140 - 131 140 - 130 - 143 - 148 152 137 - 144 - 130 MBh 26.2 27.1 26.5 28.0 - 27.9 28.3 - 27.3 25.2 27.0 - 27.0 - 27.0 0.70 0.70 0.70 0.70 0.71 0.60 0.41 - 0.74 0.75 28.0 29.1 29.1 0.74 0.72 20.1 27.0 27.0 28.0 29.0 29.1 29.1 29.2 27.0 27.0 27.0 29.0 29.0 29.0 29.0 29.0 29.0 2	_		Amps	7.7	7.9	8.1		8.3	8.5	8.7		9.0	9.2	9.5	-	9.6	8.6	10.1	-	10.1	10.4	10.7	-	10.7	11.0	11.3	-
LO PR 107 114 124 - 113 120 131 - 118 125 137 - 124 131 144 - 130 MBh 26.2 27.1 26.5 26.5 26.5 29.0 - 24.9 55.9 28.3 - 27.3 25.2 27.6 - 26.9 - 24.9 55.9 28.3 - 24.3 25.2 27.6 - 23.1 47 37 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7 9.7	_		Hi PR	_	235	248	٠	245			-	278	300	316	-	317	341	360	-	357	384	405	-	394	424	448	
MBh 56.2 27.1 29.7 - 25.6 26.5 29.0 - 24.9 25.9 28.3 - 24.3 25.2 27.6 - 23.1 S/T 0.67 0.56 0.39 - 0.70 0.58 0.40 - 0.71 0.60 0.41 - 0.74 0.62 0.43 - 0.76 A/Y 1.99 1.6 1.2 1 1.3 1.9 1.7 1.3 1 1.7 1.3 0.76 0.76 A/W 1.79 1.82 1.88 1.97 2.04 2.06 2.10 2.17 2.22 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20 2.20<			Lo PR	-	114	124	٠	113			-	118	125	137	-	124	131	144	-	130	138	150	-	134	143	156	
Aγγ O.67 O.56 O.39 - O.70 O.58 O.40 - O.71 O.60 O.41 - O.74 O.62 O.43 - O.74 O.60 O.41 - O.74 O.60 O.41 - O.74 O.60 O.71 O.60 O.74 O.74 O.75 O.74 O.74 O.75 O.71 O.74 O.74 O.75 O.74 O.75 O.74 O.75 O.74 O.75 O.74 O.75 O.74 O.75 O.71 O.74 O.75 O.77 O.77 O.78 O.77 O.78 O.77 O.78 O.77 O.78 O.77 O.78 O.79 O.71 O.74 O.75 O.79	_		MBh	26.2		29.7		25.6				24.9	25.9	28.3	,	24.3	25.2	27.6	-	23.1	24.0	26.3	-	21.4	22.2	24.3	
AT 19 16 12 19 17 13 19 17 13 19 17 13 19 17 13 19 17 13 19 17 13 19 17 13 19 17 13 19 17 13 19 17 13 19 17 13 19 17 13 19 17 13 19 17 13 10 10 10 10 10 10 11 10 10 11 10 10 11 10 10 11 11 11 11 12 12 12 12 12 12 12 12 12 12 12 13 2 12 12 13 2 12 12 13 2 12 13 2 12 13 2 12 13 2 12 13 2 13 2 13 2			S/T	0.67	0.56	0.39	٠	0.70			-	0.71	0.60	0.41	-	0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.77	0.64	0.45	
kW 1.79 1.82 1.88 - 1.93 1.94 2.04 - 2.06 2.10 2.17 2.22 2.29 - 2.20 2.29 3.23 2.22 2.29 - 2.17 2.22 2.29 2.29 2.17 2.27 2.29 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - 1.00 - <th>_</th> <th></th> <td>ΔT</td> <td>19</td> <td>16</td> <td>12</td> <td>•</td> <td>19</td> <td>17</td> <td>13</td> <td></td> <td>19</td> <td>17</td> <td>13</td> <td>-</td> <td>19</td> <td>17</td> <td>13</td> <td>-</td> <td>19</td> <td>17</td> <td>13</td> <td>-</td> <td>18</td> <td>15</td> <td>12</td> <td></td>	_		ΔT	19	16	12	•	19	17	13		19	17	13	-	19	17	13	-	19	17	13	-	18	15	12	
Amps 7.7 7.8 8.1 - 8.2 8.7 - 8.9 9.1 9.4 - 9.5 9.7 10.0 - 10.0 Hi PR 216 232 245 - 242 261 275 - 276 297 313 - 314 338 357 - 353 Lo PR 106 113 123 - 112 119 130 - 161 124 135 - 122 130 142 128 MBh 24.1 25.0 27.4 26.8 - 23.0 23.9 26.1 - 22.5 23.3 25.5 - 21.3 ANT 1.74 1.73 - 20 1.7 13 - 20 1.7 13 - 20 1.7 13 - 20 1.7 13 - 20 1.7 13 - 20 20 1.7 13 </th <th>_</th> <th>850</th> <td>kW</td> <td>1.79</td> <td>1.82</td> <td>1.88</td> <td> </td> <td>1.93</td> <td></td> <td></td> <td>-</td> <td>2.06</td> <td>2.10</td> <td>2.17</td> <td>-</td> <td>2.17</td> <td>2.22</td> <td>2.29</td> <td>-</td> <td>2.26</td> <td>2.31</td> <td>2.39</td> <td>-</td> <td>2.34</td> <td>2.40</td> <td>2.48</td> <td></td>	_	850	kW	1.79	1.82	1.88		1.93			-	2.06	2.10	2.17	-	2.17	2.22	2.29	-	2.26	2.31	2.39	-	2.34	2.40	2.48	
Hi PR 216 232 245 - 242 261 275 - 297 313 - 314 338 357 - 353 Lo PR 106 113 123 - 112 119 130 - 16 124 135 - 122 130 142 - 128 MBh 24.1 25.0 23.0 23.9 26.1 - 22.5 23.3 25.5 - 21.3 AT 19 17 13 - 0.50 0.57 0.40 - 0.71 0.59 0.41 - 0.74 kW 1.74 1.78 1.8 1.92 1.99 - 20 17 13 - 2.1 1 13 - 20 17 13 - 2.1 1 13 - 1 1 1 1 1 1 1 1 1 1 1 1 </th <th></th> <th></th> <td>Amps</td> <td>7.7</td> <td>7.8</td> <td>8.1</td> <td></td> <td>8.2</td> <td>8.4</td> <td>8.7</td> <td>-</td> <td>8.9</td> <td>9.1</td> <td>9.4</td> <td>-</td> <td>9.5</td> <td>9.7</td> <td>10.0</td> <td>-</td> <td>10.0</td> <td>10.3</td> <td>10.6</td> <td>-</td> <td>10.6</td> <td>10.9</td> <td>11.2</td> <td></td>			Amps	7.7	7.8	8.1		8.2	8.4	8.7	-	8.9	9.1	9.4	-	9.5	9.7	10.0	-	10.0	10.3	10.6	-	10.6	10.9	11.2	
LO PR 106 113 123 - 112 119 130 - 116 124 135 - 122 130 142 - 128 MBh 24.1 25.0 27.4 26.8 - 23.0 23.9 26.1 - 22.5 23.3 25.5 - 21.3 S/T 0.65 0.54 0.36 0.39 - 0.69 0.57 0.40 - 0.71 0.59 0.41 - 0.74 ANT 1.9 1.7 1.3 - 20 1.7 13 - 20 1.7 13 - 20 1.7 13 - 20 1.7 13 - 20 1.7 13 - 20 1.7 13 - 20 1.7 13 - 20 1.7 13 - 20 1.7 13 - 2.1 2.1 2.1 2.2 2.2 2.2 2.2<	—		Hi PR	216	232	245	٠	242		275	٠,	276	297	313	-	314	338	357	-	353	380	401	-	390	420	443	
MBh 24.1 25.0 27.4 - 24.2 26.8 - 23.0 23.9 26.1 - 22.5 23.3 25.5 - 21.3 S/T 0.65 0.54 0.36 0.59 - 0.69 0.57 0.40 - 0.71 0.59 0.41 - 0.74 Λ 1 13 - 20 17 13 - 20 17 13 - 19 19 19 19 2.00 2.05 2.12 - 2.11 13 - 19 17 13 - 19 19 19 19 2.00 2.05 2.12 - 2.11 13 - 19 19 19 2.00 2.05 2.12 - 2.11 13 - 19 19 2.00 2.05 2.12 - 2.11 2.12 2.23 2.23 2.23 2.23 2.23 2.23 2.23 2.23 <th>_</th> <th></th> <td>Lo PR</td> <td>-</td> <td>113</td> <td>123</td> <td>1</td> <td>112</td> <td></td> <td></td> <td>1</td> <td>116</td> <td>124</td> <td>135</td> <td>,</td> <td>122</td> <td>130</td> <td>142</td> <td>-</td> <td>128</td> <td>136</td> <td>149</td> <td>-</td> <td>133</td> <td>141</td> <td>154</td> <td></td>	_		Lo PR	-	113	123	1	112			1	116	124	135	,	122	130	142	-	128	136	149	-	133	141	154	
δ/T 0.65 0.54 0.37 0.60 0.57 0.40 0.71 0.59 0.41 0.74 ΔT 19 17 13 - 20 17 13 - 20 17 13 - 19 19 - 17 13 - 20 17 13 - 19 19 - 17 13 - 19 19 19 - 10 17 13 - 19 19 19 1.99 - 2.00 2.05 2.12 - 2.11 2.16 2.23 2.20 2.20 2.12 - 2.11 2.16 2.23 2.20 2.20 2.05 2.12 - 2.11 2.20 2.20 2.20 2.20 2.21 2.21 2.21 2.21 2.22 2.22 2.22 2.22 2.22 2.22 2.22 2.23 2.23 2.23 2.23 2.23 2.23 2.23 2.23	_		MBh	24.1	25.0	27.4	٠	23.6			٠.	23.0	23.9	26.1	-	22.5	23.3	25.5	-	21.3	22.1	24.2	-	19.8	20.5	22.4	
AT 19 17 13 - 20 17 13 - 20 17 13 - 20 17 13 - 19 - 19 - 19 - 19 - 19 - 17 13 - 17 13 - 19 KW 1.74 1.78 1.84 - 1.99 - 2.00 2.05 2.12 - 2.11 2.16 2.23 - 2.20 Amps 7.5 7.6 7.9 - 8.0 8.7 8.9 9.1 - 9.2 9.8 9.8 HiPR 209 2.25 2.38 2.67 - 2.67 2.88 304 - 9.2 9.3 9.4 9.7 - 9.2 9.2 9.3 9.4 9.7 - 9.2 9.8 9.4 9.7 - 9.2 9.2 9.2 9.2 9.2 9.2 9.2	_		S/T	0.65	0.54	0.37	٠	0.67			-	0.69	0.57	0.40	-	0.71	0.59	0.41	-	0.74	0.62	0.43	-	0.74	0.62	0.43	
kW 1.74 1.78 1.84 - 1.99 - 2.00 2.05 2.12 - 2.11 2.16 2.23 - 2.20 Amps 7.5 7.6 7.9 - 8.0 8.2 8.5 - 8.7 8.9 9.1 - 9.4 9.7 - 9.8 HIPR 209 225 238 267 - 267 288 304 - 304 346 - 9.8 Lo PR 103 120 116 126 113 120 131 - 119 126 138 - 124	_		ΔT	19	17	13	٠	20	17	13	-	20	17	13	-	20	17	13	-	19	17	13	-	18	16	12	
7.5 7.6 7.9 - 8.0 8.2 8.5 - 8.7 8.9 9.1 - 9.2 9.4 9.7 - 9.8 209 225 238 - 253 267 - 267 288 304 - 304 328 346 - 343 103 120 116 126 - 113 120 131 - 119 126 133 - 124	_	745	kW	1.74	1.78	1.84	•	1.88			1	2.00	2.05	2.12	1	2.11	2.16	2.23	-	2.20	2.25	2.33	-	2.28	2.34	2.42	,
209 225 238 - 235 253 267 - 267 288 304 - 304 328 346 - 343 103 109 116 126 - 113 120 131 - 119 126 138 - 124	_		Amps	_	9.7	7.9	١.	8.0	8.2	8.5	-	8.7	8.9	9.1	-	9.5	9.4	9.7	-	8.6	10.0	10.3	-	10.3	10.6	10.9	
103 109 120 - 109 116 126 - 113 120 131 - 119 126 138 - 124			Hi PR	509	225	238	'	235		267	1	267	288	304	١	304	328	346	-	343	369	389	-	378	407	430	,
TO TO TES	-		Lo PR	103	109	120		109	116	126	ı	113	120	131	1	119	126	138	1	124	132	144	-	129	137	149	-

	MBh	27.4	28.2	30.5	32.8	26.8	27.6	29.8	32.0	26.1	26.9	29.1 3	31.3 2	25.5	26.2	28.4 3	30.5 2	24.2 2	24.9 2	27.0 29.	0	22.4 23.1	1 25.0) 26.8
	S/T	0.80	0.72	0.54	0.35	0.83	0.74	0.56	0.36	0.85 (92.0	0.58 0	0.37 (0.88	0.79 (0.59 0	0.38 0	0.91 0.	0.82 0	0.62 0.	0.40 0.	.92 0.82	2 0.62	0.40
	ΔT	21	19	16	11	21	20	16	11	21	20	16	11	22	20	16	11	21 2	20	16 1	11 2	20 18	15	10
955	kW	1.82	1.86	1.92	1.98	1.96	2.01	2.07	2.14	2.09	2.14	2.21 2	2.29 2	2.20 2	2.26	2.33 2	2.41 2	2.30 2.	2.36 2	2.44 2.	2.52 2.	2.39 2.44	4 2.53	3 2.61
	Amps	7.8	8.0	8.2	8.5	8.4	8.6	8.8	9.1	0.6	9.3	9.5	6.6	9.6	6.6	10.2	10.5 1	10.2	10.5	10.8	11.2 10	10.8 11.1	1 11.4	11.8
	Hi PR	220	237	250	261	247	266	281	293	281	303	320 3	333	320	345	364 3	380 3	360 3	388 4	409 4	427 3	398 428	8 452	472
	Lo PR	108	115	126	134	114	122	133	141	119	126	138 1	147	125	133	145 1	154 1	131 1	139 1	152 1	162 1	135 144	4 157	, 167
	MBh	26.6	27.4	29.7	31.8	26.0	26.8	29.0	31.1	25.4	26.1	28.3	30.3 2	24.8	25.5	27.6 2	29.6 2	23.5 2	24.2	26.2 28	28.1 2	21.8 22.4	4 24.3	3 26.1
	S/T	0.76	0.68	0.52	0.33	0.79	0.71	0.54	0.34	0.81 (0.73	0.55 0	0.35 (0.84	0.75	0.57 0	0.36 0	0.87	0.78 0	0.59 0.	0.38 0	0.88 0.78	8 0.59	9 0.38
	ΔT	22	20	17	11	22	20	17	12	22	20	17	12	22	21	17	12	22 2	20 1	17 1	12 2	21 19	16	11
75 850	kW	1.80	1.84	1.90	1.96	1.95	1.99	2.06	2.13	2.07	2.12	2.19 2	2.27 2	2.19	2.24	2.31 2	2.39 2	2.28 2.	2.33 2.	2.42 2.	2.50 2.	2.36 2.42	2 2.50) 2.59
	Amps	7.7	7.9	8.1	8.4	8.3	8.5	8.8	9.1	0.6	9.5	9.5	8.6	9.6	9.8	10.1	10.4 1	10.1	10.4	10.7	$11.1 \mid 10$	10.7 11.0	0 11.3	3 11.7
	Hi PR	218	235	248	259	245	263	278	290	278	300	316 3	330	317	341	360 3	376 3	357 3	384 4	405 4	423 3	394 424	4 448	3 467
	Lo PR	107	114	124	133	113	120	131	140	118	125	137 1	146 :	124	131	144 1	153 1	130 1	138 1	150 1	160 1	134 143	3 156	166
	MBh	24.6	25.3	27.4	29.4	24.0	24.7	26.7	28.7	23.4	24.1	26.1 2	28.0	22.8	23.5	25.5 2	27.3 2	21.7 2	22.3	24.2 20	26.0 20	20.1 20.7	7 22.4	1 24.0
	S/T	0.74	99.0	0.50	0.32	0.76	0.68	0.52	0.33	0.78 (0.70	0.53 0	0.34 (0.81 (0.72 (0.55 0	0.35 0	0.84 0.	0.75 0	0.57 0.	0.36 0.	0.84 0.76	6 0.57	7 0.37
	ΔT	22	21	17	12	23	21	17	12	23	21	17	12	23	21	17	12	22 2	21	17 1	12 2	21 19	16	11
745	kW	1.76	1.79	1.85	1.91	1.90	1.94	2.00	2.07	2.02	2.07	2.14 2	2.21 2	2.13	2.18	2.25 2	2.33 2	2.22 2.	2.27 2	2.35 2.	2.43 2.	2.30 2.36	6 2.44	1 2.52
	Amps	7.5	7.7	7.9	8.2	8.1	8.3	8.5	8.8	8.7	8.9	9.2	9.5	9.3	9.5	9.8 1	10.2	9.9	10.1	10.4 10	10.8 10	10.4 10.7	7 11.0	11.4
	Hi PR	212	228	240	251	237	256	270	281	270	291	307 3	320	308	331	350 3	365 3	346 3	372 3	393 4	410 3	382 411	1 434	453
	Lo PR	104	111	121	129	110	117	128	136	114	121	133 1	141	120	128	139 1	148 1	126 1	134 1	146 1	155 1	130 138	8 151	. 161
: Entering Ir	IDB: Entering Indoor Dry Bulb Temperature	Bulb Temp	perature									Shē	aded are	a reflec	ts ACCA	Shaded area reflects ACCA (TVA) conditions	nditions					kW=	kW = Total system power	em pow
າ & low pre	High & low pressures are measured at the liquid & suction access fittings.	measured	d at the li	iquid & s	suction a	ccess fitt	ings.													Am	os = outo	Amps = outdoor unit amps (comp.+ fans)	amps (co	mp.+ far

EXPANDED COOLING DATA — GPH1542M41A* - LOW STAGE (CONT.)

kW = Total system power	kW = Total system power	.W = Tot	<u>~</u>				us	Shaded area reflects AHRI (TVA) conditions	RI (TVA)	ects AH	area refle	Shaded	-,						·	,	: -	nperatur	Bulb Ten	door Dry	IDB: Entering Indoor Dry Bulb Temperature
164	154	141	133	159	149	136	128	151	142	130	122	144	135	124	116	139	130	119	112	131	123	113	106ء	Lo PR	
462	443	420	390	418	401	380	353	372	357	338	314	327	313	297	276	287	275	261	242	256	245	232	3 216	Hi PR	
11.6	11.2	10.9	10.6	11.0	10.6	10.3	10.0	10.3	10.0	9.7	9.5	9.7	9.4	9.1	8.9	9.0	8.7	8.4	8.2	8.3	8.1	7.8	s 7.7	Amps	
2.57	2.48	2.40	2.34	2.48	2.39	2.31	2.26	2.37	2.29	2.22	2.17	2.25	2.17	2.10	2.05	2.11	2.04	1.97	1.93	1.95	1.88	3 1.82	1.78	kW	745
20	23	25	25	22	25	26	27	22	25	27	27	22	25	26	27	22	25	26	27	21	25	26	27	ΔT	
0.69	0.85	0.94	0.97	0.68	0.84	0.93	96.0	0.66	0.81	0.90	0.93	0.64	0.78	0.87	0.90	0.62	0.76	0.85	0.88	09.0	0.74	5 0.82	0.85	S/T	
23.7	22.2	21.2	20.8	25.6	24.0	22.9	22.5	26.9	25.3	24.1	23.7	27.6	25.9	24.7	24.2	28.3	26.5	25.3	24.8	29.0	27.1	1 25.9	1 25.4	MBh	
169	159	145	137	163	153	141	132	156	146	134	126	148	139	128	120	143	134	123	116	135	127	116	109	Lo PR	
477	457	433	402	431	414	392	364	383	368	348	324	337	323	306	284	296	284	269	250	264	253	240	223	Hi PR	
11.9	11.5	11.2	10.9	11.3	10.9	10.6	10.3	10.6	10.3	9.6	9.7	10.0	9.6	9.3	9.1	9.5	8.9	9.8	8.4	8.6	8.3	8.0	s 7.9	Amps	
2.64	2.55	2.46	2.41	2.54	2.46	2.38	2.32	2.44	2.35	2.28	2.22	2.31	2.23	2.16	2.11	2.16	2.09	2.02	1.98	2.00	1.93	3 1.87	1.83	kW	850
20	23	24	24	21	24	56	56	21	25	56	27	21	25	26	27	21	25	26	26	21	24	26	26	ΔT	
0.71	0.88	0.97	1.00	0.71	0.87	96.0	1.00	0.68	0.84	0.93	96.0	0.66	0.81	0.90	0.93	0.64	0.79	0.88	0.91	0.62	0.76	3 0.85	0.88	S/T	
25.7	24.1	23.0	22.6	27.7	26.0	24.8	24.3	29.2	27.4	26.1	25.6	29.9	28.0	26.8	26.3	30.7	28.7	27.4	26.9	31.4	29.4	5 28.1	1 27.6	MBh	
171	160	147	138	165	155	142	133	158	148	135	127	150	141	129	121	144	135	124	117	137	128	117	110 ا	Lo PR	
481	462	437	406	436	418	396	368	387	371	352	327	340	326	309	287	299	287	271	252	266	255	242	1 225	Hi PR	
12.0	11.6	11.2	11.0	11.4	11.0	10.6	10.4	10.7	10.3	10.0	8.6	10.1	9.7	9.4	9.5	9.3	9.0	8.7	8.5	8.6	8.3	8.1	s 7.9	Amps	
2.66	2.57	2.48	2.43	2.57	2.48	2.40	2.34	2.46	2.37	2.30	2.24	2.33	2.25	2.18	2.13	2.18	2.11	2.04	2.00	2.02	1.95	5 1.89	1.85	kW	955
19	22	23	22	20	24	22	24	21	24	25	25	20	24	25	25	20	24	25	25	20	23	25	25	ΔT	
0.75	0.92	1.00	1.00	0.74	0.91	1.00	1.00	0.71	0.88	0.97	1.00	0.69	0.85	0.94	0.98	0.67	0.83	0.92	0.95	0.65	0.80	98.0	0.92	S/T	
26.5	24.8	23.7	23.2	28.6	26.8	25.6	25.1	30.1	28.2	26.9	26.4	30.8	28.9	27.6	27.1	31.6	29.6	28.3	27.7	32.3	30.3	1 28.9	28.4	MBh	

EXPANDED COOLING DATA — GPH1542M41A* – HIGH STAGE

		_										O	TDOOR	AMBIEN	OUTDOOR AMBIENT TEMPERATURE	ERATU	3E									
		Ш		65ºF	<u>.</u>			75	75ºF			85ºF	J.			95ºF	F			105ºF	ξŁ	Н		115ºF		
											۳	NTERIN	G INDO	OR WE	ENTERING INDOOR WET BULB TEMPERATURE	TEMPER	ATURE									
IDB /	AIRFLOW	Н	29	63	29	71	59	63	- 69	71	29	63	29	71	29	63	29	71	29	63	29	71	29 (63	. 29	71
	Σ	MBh 4	40.2	41.6	45.6	-	39.2	40.7	44.6	-	38.3	39.7	43.5	,	37.4	38.7	42.4	-	35.5	36.8	40.3	- 3	32.9	34.1	37.3	
	S,	S/T (0.72	09.0	0.42		0.74	0.62	0.43	-	0.76	0.64	0.44	-	0.79	99.0	0.46	-	0.82	0.68	0.47	0 -	0.82 0	0.69	0.48	
	V	ΔT	19	16	12	,	19	17	13	-	19	17	13	-	19	17	13	-	19	16	12	-	18	15	12	,
1405		kW 2	2.82	2.88	2.97		3.04	3.11	3.21	-	3.24	3.31	3.43		3.42	3.49	3.61	-	3.57	3.65	3.77	- 3	3.69 3	3.78	3.91	,
	An	Amps 1	11.8		12.4	,	12.7	13.0	13.3	-	13.7	14.0	14.4	-	14.6	14.9	15.4	-	15.4	15.8	16.3	- 1	16.3 1	16.7	17.2	
	Ξ	Hi PR	242	261	275		272	292	309	-	309	332	351		352	379	400	-	396	426	450	- 4	437 4	471 4	497	
	Lo	Lo PR	105		122		111	118	129	-	115	123	134		121	129	141		127	135	147	- 1	131 1	140	152	
	Σ	MBh	39.0	40.4	44.3	,	38.1	39.5	43.3	-	37.2	38.5	42.2	-	36.3	37.6	41.2	-	34.5	35.7	39.1	- 3	31.9 3	33.1	36.3	,
	'S	S/T (0.68	0.57	0.40	-	0.71	0.59	0.41	-	0.73	0.61	0.42	-	0.75	0.63	0.43	-	0.78	0.65	0.45	0 -	0.79 0	0.66	0.45	
	7	ΔT	20	17	13		20	17	13	-	20	17	13		20	17	13	-	20	17	13	-	18	16	12	
70 1250		kW 2	2.79	2.86	2.95	-	3.02	3.08	3.19	-	3.21	3.29	3.40	-	3.39	3.46	3.58	-	3.53	3.62	3.74	- 3	3.66 3	3.75 3	3.88	,
	An	Amps (11.7	12.0	12.3		12.6	12.8	13.2	-	13.6	13.9	14.3		14.4	14.8	15.2		15.3	15.7	16.2	- 1	16.2 1	16.5 1	17.1	
	Ξ	Hi PR	240	258	272	,	269	289	306	-	306	329	348		348	375	396	-	392	422	445	- 4	433 4	466 4	492	
	P	Lo PR	104	111	121		110	117	127	-	114	121	132		120	127	139		126	134	146	-	130 1	138	151	,
	Σ	MBh	36.0	37.3	40.9	,	35.2	36.4	39.9	-	34.3	35.6	39.0		33.5	34.7	38.0	-	31.8	33.0	36.1	- 2	29.5	30.5	33.5	
	S,	S/T (0.66	0.55	0.38	,	0.68	0.57	0.40	-	0.70	0.59	0.41		0.72	09.0	0.42	-	0.75	0.63	0.43	- 0	0.76 0	0.63	0.44	
	∇	ΔT	20	17	13	,	20	17	13	-	20	17	13		20	18	13	,	20	17	13	-	19	16	12	,
100	1095 K	kW 2	2.72	2.78	2.88	,	2.94	3.01	3.11	-	3.13	3.20	3.31		3.30	3.38	3.49	,	3.44	3.52	3.64	- 3	3.57 3	3.65 3	3.77	
	An	Amps 1	11.4	11.7	12.0	-	12.2	12.5	12.9	-	13.2	13.5	13.9	-	14.1	14.4	14.8	•	14.9	15.3	15.7	- 1	15.7 1	16.1	16.6	
	Ξ	Hi PR	233	250	264	,	261	281	596	-	297	319	337	,	338	364	384	,	380	409	432	- 4	420 4	452 4	477	,
_	임	Lo PR	101	107	117	-	106	113	124	-	111	118	129		116	124	135	,	122	130	141	-	126 1	134 1	146	

n powe	kW = Total system power	:W = Tota	k	kW = Total system power Amps = outdoor unit amps (comp + fans)	4		su	Shaded area reflects ACCA (TVA) conditions	CA (TVA)	lects AC	area ref	Shaded						ittings.	access	suction	e liauid 8	nperatured at the	Bulb Ten	IDB: Entering Indoor Dry Bulb Temperature High & Iow pressures are measured at the liquid & suction access fittings.	itering In)B: Ent
157	148	135	127	152	143	131	123	145	136	125	117	138	130	119	112	133	125	114	108	126	118	108	102	Lo PR		
503	482	457	424	455	436	413	384	405	388	367	341	355	341	323	300	312	300	284	264	278	267	253	235	Hi PR		
17.4	16.8	16.2	15.9	16.4	15.9	15.4	15.0	15.5	15.0	14.5	14.2	14.6	14.1	13.6	13.3	13.5	13.0	12.6	12.4	12.5	12.1	11.8	s 11.5	Amps		
3.94	3.81	3.68	3.60	3.80	3.67	3.55	3.47	3.64	3.52	3.40	3.33	3.45	3.34	3.23	3.16	3.24	3.13	3.03	2.97	3.00	2.90	2.81	2.75	ķ	1095	
11	16	20	22	12	17	21	23	12	18	22	24	12	18	22	23	12	18	21	23	12	17	21	23	ΔT		
0.38	0.58	0.77	0.86	0.37	0.58	0.76	0.85	0.36	0.56	0.74	0.82	0.35	0.54	0.71	0.80	0.34	0.53	0.70	0.78	0.33	0.51	0.67	0.75	S/T		
35.8	33.4	30.9	30.0	38.7	36.1	33.3	32.4	40.7	38.0	35.1	34.1	41.8	38.9	35.9	34.9	42.8	39.9	36.8	35.8	3 43.8	, 40.8	37.7	36.6	MBh		
162	152	140	131	157	147	135	127	150	141	129	121	143	134	123	115	137	129	118	111	130	122	112	105	Lo PR		
519	497	471	437	469	450	426	396	417	400	379	352	366	351	333	309	322	309	292	272	287	275	261	242	Hi PR		
17.8	17.2	16.7	16.3	16.9	16.3	15.8	15.4	15.9	15.4	14.9	14.6	14.9	14.4	14.0	13.7	13.8	13.4	13.0	12.7	12.8	12.4	12.1	5 11.8	Amps		
4.05	3.91	3.78	3.69	3.90	3.77	3.65	3.57	3.74	3.61	3.49	3.42	3.54	3.43	3.31	3.24	3.32	3.21	3.11	3.04	3.07	2.97	2.88	2.82	kW	1250	75
11	16	20	21	12	17	21	23	12	17	21	23	12	17	21	23	12	17	21	23	12	17	21	23	ΔT		
0.39	0.60	0.80	0.89	0.39	0.60	0.79	0.89	0.37	0.58	0.76	0.85	0.36	0.56	0.74	0.83	0.35	0.55	0.72	0.81	3 0.34	0.53	3 0.70	0.78	S/T		
38.8	36.2	33.4	32.5	41.9	39.1	36.1	35.1	44.1	41.1	38.0	36.9	45.2	42.2	38.9	37.8	46.3	43.2	39.9	38.7	47.4	44.2	40.8	39.7	MBh		
164	154	141	133	158	149	136	128	151	142	130	122	144	135	124	116	139	130	119	112	131	123	113	106 ا	Lo PR		
524	502	476	442	474	454	430	400	421	404	383	355	370	355	336	312	325	312	295	274	290	278	263	245	Hi PR		
18.0	17.4	16.8	16.5	17.0	16.4	15.9	15.6	16.1	15.5	15.0	14.7	15.1	14.6	14.1	13.8	13.9	13.5	13.1	12.8	13.0	12.5	12.2	5 11.9	Amps		
4.08	3.94	3.81	3.73	3.94	3.81	3.68	3.60	3.77	3.64	3.52	3.45	3.57	3.46	3.34	3.27	3.35	3.24	3.14	3.07	3.10	3.00	1 2.90	2.84	kW	1405	
11	15	19	20	11	17	20	22	12	17	20	22	12	17	20	22	12	17	20	22	11	16	20	22	ΔT		
0.41	0.63	0.84	0.94	0.40	0.63	0.83	0.93	0.39	0.61	0.80	0.89	0.38	0.59	0.78	0.87	0.37	0.57	0.76	0.85	98.0	0.55	0.73	0.82	S/T		
40.0	37.3	34.4	33.4	43.2	40.2	37.2	36.1	45.5	42.4	39.1	38.0	46.6	43.4	40.1	39.0	47.7	44.5	41.1	39.9	48.9	45.5	42.1	40.9	MBh		-

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EXPANDED COOLING DATA — GPH1542M41A* – HIGH STAGE (CONT.)

	υ.		67 71	37.2 39.7	0.78 0.59	19 15	3.98 4.12	17.5 18.2	507 529	155 166	36.1 38.6	0.75 0.56	20 16	3.94 4.08	17.4 18.0	502 524	154 164	33.3 35.6	0.72 0.54	20 16	3.84 3.97	16.9 17.5	487 508	149 159
	115ºF		63	34.8	0.96	22	3.85	17.0	480	142	33.8	0.92	23	3.81	16.8	476	141	31.2	0.89	23	3.71	16.4	461	137
			29	34.0	1.00	22	3.76	16.6	446	134	33.0	0.98	24	3.73	16.5	442	133	30.5	0.94	24	3.63	16.0	429	129
			71	42.9	0.58	16	3.97	17.2	479	160	41.6	0.55	17	3.94	17.0	474	158	38.4	0.53	17	3.83	16.6	460	154
	∃ 5		29	40.1	0.78	20	3.84	16.6	459	150	39.0	0.74	21	3.81	16.4	455	149	36.0	0.72	22	3.71	16.0	441	144
	105ºF		63	37.6	96.0	23	3.71	16.1	435	138	36.5	0.91	24	3.68	15.9	430	136	33.6	0.88	25	3.58	15.5	417	132
			65	36.7	1.00	24	3.63	15.7	404	129	35.7	26.0	52	3.60	15.6	400	128	32.9	0.94	56	3.50	15.2	388	124
			71	45.1	0.56	17	3.80	16.2	426	153	43.8	0.53	17	3.77	16.1	421	151	40.5	0.51	17	3.67	15.6	409	147
JRE	95ºF	RATURE	29	42.2	0.75	21	3.68	15.6	408	143	41.0	0.71	22	3.65	15.5	404	142	37.8	0.69	22	3.55	15.1	392	138
OUTDOOR AMBIENT TEMPERATURE	36	BULB TEMPERATURE	63	39.5	0.92	24	3.56	15.2	386	131	38.4	0.88	25	3.53	15.0	383	130	35.4	0.85	25	3.43	14.6	371	126
ENT TEN			29	38.7	1.00	25	3.48	14.8	329	123	37.6	0.94	26	3.45	14.7	326	122	34.7	0.90	26	3.36	14.3	345	119
R AMBII		OOR W	71	46.3	0.54	16	3.61	15.2	374	145	44.9	0.52	17	3.57	15.1	370	144	41.5	0.50	17	3.48	14.7	359	140
UTDOO	85ºF	ENTERING INDOOR WET	29	43.3	0.73	21	3.49	14.7	358	137	42.0	0.69	21	3.46	14.6	355	135	38.8	0.67	22	3.37	14.2	344	131
l°	8	ENTER	63	40.5	0.89	24	3.37	14.2	339	125	39.3	0.85	25	3.34	14.1	336	124	36.3	0.82	25	3.26	13.8	326	120
			29	39.6	0.95	25	3.30	13.9	315	118	38.5	0.91	26	3.27	13.8	312	116	35.5	0.87	26	3.19	13.5	303	113
			71	47.4	0.53	16	3.38	14.1	329	140	46.0	3 0.50	17	3.35	13.9	325	139	7 42.5	0.49	17	3.27	. 13.6	316	134
	75ºF		29	5 44.3	0.71	21	3.27	2 13.6	315	131	3 43.1	3 0.68	21	1 3.24	13.5	312	130	2 39.7	0.65	22	3.16	7 13.1	303	126
			63	5 41.5	3 0.87	24	3.16	9 13.2	7 298	120	4 40.3	8 0.83	25	7 3.14	8 13.1	1 295	2 119	4 37.2	5 0.80	25	3.06	5 12.7	3 286	116
			59	5 40.6	1 0.93	25	3 3.09	1 12.9	3 277	2 113	1 39.4	9 0.88	. 26	0 3.07	0 12.8) 274	1 112	5 36.4	7 0.85	26	2 2.99	6 12.5	1 266	7 109
			71	4 48.5	8 0.51	16	2 3.13	6 13.1	1 293	4 132	1 47.1	5 0.49	. 17	0 3.10	5 13.0	8 290	3 131	7 43.5	3 0.47	17	2 3.02	2 12.6	0 281	9 127
	65ºF		3 67	.5 45.4	34 0.68	3 20	3 3.02	.3 12.6	6 281	4 124	.3 44.1	30 0.65	1 21	3.00	.2 12.5	3 278	3 123	.1 40.7	7 0.63	5 21	33 2.92	.8 12.2	5 270	9 119
			9 63	.6 42.5	39 0.84	1 23	36 2.93	.0 12.3	.7 266	7 114	.4 41.3	35 0.80	5 24	34 2.90	.9 12.2	5 263	113	.3 38.1	32 0.77	5 25	77 2.83	.6 11.8	7 255	3 109
L			29	h 41.6	F 0.89	. 24	7 2.86	os 12.0	R 247	R 107	h 40.4	F 0.85	. 25	7 2.84	ps 11.9	R 245	R 106	h 37.3	0.82	. 26	7.77	os 11.6	R 237	R 103
			AIRFLOW	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR
							1405							1250							1095			
			IDB											8										

39.4	92.0	20	4.15	18.3	534	167	38.3	0.73	20	4.12	18.2	529	166	35.4	0.70	21	4.01	17.7	513	161
37.0	0.94 (23	4.01	17.7	512	157	35.9	0.89	24	3.98	17.5	202	155	33.1	0.86	24	3.87	17.1	492	151
35.3	1.00 (23	3.88	17.1	485	144	34.3	0.99	25	3.85	17.0	480	142	31.6	96.0	25	3.75	16.5	466	138
34.6	1.00	23	3.79	16.7	451	135	33.6	1.00 (25	3.76	16.6	446	134	31.0) 66.0	26	3.66	16.2	433	130
42.6	0.75	21	4.01	17.3	484	162	41.3	0.72	22	3.97	17.2	479	160	38.2	0.69	22	3.87	16.7	464	155
39.9	0.93	24	3.87	16.7	464	152	38.8	0.89	25	3.84	16.6	459	150	35.8	0.86	26	3.74	16.2	445	146
38.1	1.00	25	3.74	16.2	439	139	37.0	0.98	27	3.71	16.1	435	138	34.2	0.95	27	3.62	15.7	422	134
37.4	1.00	24	3.66	15.9	408	131	36.3	1.00	27	3.63	15.7	404	129	33.5	86.0	28	3.53	15.3	392	126
44.8	0.73	21	3.84	16.3	430	154	43.5	69.0	22	3.80	16.2	426	153	40.2	0.67	23	3.70	15.8	413	148
42.0	0.90	25	3.71	15.8	412	145	40.8	0.85	26	3.68	15.6	408	143	37.7	0.82	26	3.58	15.2	396	139
40.1	0.99	56	3.59	15.3	390	133	39.0	0.95	27	3.56	15.2	386	131	36.0	0.91	28	3.46	14.8	375	127
39.4	1.00	56	3.51	14.9	363	125	38.2	0.98	28	3.48	14.8	329	123	35.3	0.95	28	3.39	14.4	348	120
45.9	0.70	21	3.64	15.3	377	147	44.6	0.67	22	3.61	15.2	374	145	41.2	0.65	22	3.51	14.8	362	141
43.1	0.87	24	3.52	14.8	362	138	41.8	0.83	25	3.49	14.7	358	137	38.6	0.80	26	3.40	14.3	348	132
41.1	96.0	26	3.40	14.4	343	126	39.9	0.92	27	3.37	14.2	339	125	36.9	0.88	27	3.29	13.9	329	121
40.3	1.00	26	3.33	14.0	318	119	39.2	0.95	27	3.30	13.9	315	118	36.2	0.92	28	3.21	13.6	306	114
47.1	69.0	21	3.41	14.2	332	141	45.7	0.65	22	3.38	14.1	329	140	42.2	0.63	22	3.29	13.7	319	136
44.1	0.85	24	3.30	13.7	318	133	42.8	0.81	25	3.27	13.6	315	131	39.5	0.78	26	3.19	13.2	306	127
42.1	0.94	26	3.19	13.3	301	122	40.9	0.89	27	3.16	13.2	298	120	37.7	98.0	27	3.08	12.8	289	117
41.3	0.97	56	3.12	13.0	280	114	40.1	0.93	27	3.09	12.9	277	113	37.0	0.89	28	3.02	12.6	269	110
48.2	0.66	21	3.15	13.2	296	134	46.8	0.63	22	3.13	13.1	293	132	43.2	0.61	22	3.05	12.7	284	128
45.2	0.82	24	3.05	12.7	284	126	43.9	0.78	25	3.02	12.3 12.6	281	124	40.5	0.75	26	2.95	12.3	272	121
43.1	0.91	26	2.95	12.4	269	115	41.9	0.86	27	2.93		266	114	38.6	0.83	27	2.85	11.9	258	110
42.3	0.94	26	2.89	12.1	250	108	41.1	0.89	27	2.86	12.0	247	107	37.9	98.0	27	2.79	11.7	240	104
MBh	S/T	ΔΤ	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	κW	Amps	Hi PR	Lo PR
			1405							1250							1095			
		-								82				_						

Shaded area reflects AHRI (TVA) conditions

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Expanded Cooling Data — GPH1543M41A*

											3	ITDOOR	AMBIE	OUTDOOR AMBIENT TEMPERATURE	PERATU	RE								
			99	65ºF			75	75ºF			82	85ºF			95º₽	占			105ºF	Į.			115ºF	
											ENTERI	NG INDO	OOR W	ENTERING INDOOR WET BULB TEMPERATURE	TEMPE	RATURE								
H	AIRFLOW	59	63	67	71	59	63	29	71	59	63	29	71	29	63	29	71	59	63	29	71 5	29 6	9 69	67 71
	MBh	39.2	40.7	44.5		38.3	39.7	43.5		37.4	38.8	42.5		36.5	37.8	41.4	,	34.7	35.9	39.4	- 3	32.1 33	33.3 36	36.5
	S/T	0.70	0.59	0.41		0.73	0.61	0.42		0.75	0.62	0.43		0.77	0.64	0.45		0.80	0.67	0.46	- 0	0.81 0.	0.67	0.47
	ΔT	18	16	12		18	16	12		18	16	12		18	16	12	-	18	16	12	-	17 1	15 1	11 -
1400	kW	2.51	2.57	2.65	-	2.71	2.77	2.85		2.88	2.94	3.04		3.03	3.10	3.20	-	3.16	3.23	3.33	- 3	3.27 3.	3.34 3.	3.45
	Amps	11.9	12.2	12.5		12.8	13.0	13.4	-	13.7	14.0	14.4		14.5	14.8	15.3		15.3	15.7	16.1	- 1	16.1 16	16.5 17	17.0 -
	HI PR	228	245	259	,	256	275	291	1	291	313	331	,	331	357	377	,	373	401	424	- 4	412 44	443 4	468 -
	LO PR	107	114	124		113	120	131		118	125	136		123	131	143		129	138	150	- 1	134 14	142 1	155 -
	MBh	38.1	39.5	43.2		37.2	38.5	42.2		36.3	37.6	41.2	٠	35.4	36.7	40.2	-	33.7	34.9	38.2	- 3	31.2 32	32.3 35	35.4 -
	S/T	0.67	0.56	0.39	-	0.69	0.58	0.40		0.71	0.59	0.41		0.74	0.61	0.43	-	92.0	0.64	0.44	- 0	0.77 0.	0.64 0.	0.45
	ΔT	19	16	12		19	16	12	-	19	16	12		19	17	13		19	16	12	-	18 1	15 1	12 -
1250	kW	2.49	2.55	2.63	٠	2.69	2.74	2.83	٠.	2.85	2.92	3.01	١.	3.00	3.07	3.17	-	3.13	3.20	3.31	- 3.	24	3.31 3.	3.42 -
	Amps	11.8	12.1	12.4		12.7	12.9	13.3	1	13.6	13.9	14.3	٠	14.4	14.7	15.1		15.2	15.5	16.0	- 1	16.0 16	16.4 16	16.9
	HI PR	226	243	257		253	273	288		288	310	327		328	353	373		369	397	419	- 4	408 43	439 4	463 -
	LO PR	106	113	123		112	119	130	1	116	124	135	٠	122	130	142		128	136	149	- 1	132 14	141 1	154 -
	MBh	ш	37.7 39.1	42.8		36.8	38.2	41.8		35.9	37.3	40.8		35.1	36.3	39.8		33.3	34.5	37.8	- 3	30.9 32	32.0 35	35.0 -
	S/T	99.0	0.55	0.38	٠	0.69	0.57	0.40	1	0.71	0.59	0.41	٠	0.73	0.61	0.42		0.76	0.63	0.44	- 0	0.76 0.	0.64 0.	0.44
	ΔT	19	17	13		19	17	13	-	19	17	13		20	17	13		19	17	13	-	18 1	16 1	12 -
1200	kW	2.47	2.52	2.60	٠	2.66	2.71	2.80	٠	2.82	2.89	2.98	٠	2.97	3.04	3.14		3.10	3.17	3.27	- 3	3.20 3.	3.28 3.	3.38 -
	Amps	11.7	12.0	12.3		12.5	12.8	13.1	-	13.5	13.7	14.1	٠	14.3	14.6	15.0		15.1	15.4	15.8	- 1	15.8 16	16.2 16	16.7 -
	HI PR	223	240	253	٠	250	269	284	1	284	306	323	٠	324	348	368	,	364	392	414	- 4	403 43	433 4	457 -
	LO PR	105	111	121	1	110	118	128	1	115	122	133		121	128	140		126	134	147	- 1	131 13	139	152 -

36.3 39.3 42.2 32.7 33.6 36.4 39.1	0.81 0.62 0.40 0.92 0.82 0.62 0.40	16 11 20 18 15	.48 3.30 3.37 3.48 3.60	16.3 16.6 17.1	6 448 473	144 157	.6 35.3	0.59 0.38	15	3.57		i		37.5	0.38					
39.3 42.2 32.7	0.62 0.40 0.92	11 20	3.30 3			144	9		1	3.45	17.0	468	155	35.0	0.59	16	3.41	16.8	462	153
39.3 42.2	0.62 0.40 0	11	3	16.3	9		32.6	0.78	19	3.34	16.5	443	142	32.3	0.77	19	3.30	16.3	438	141
39.3	0.62		48		416	135	31.7	0.87	20	3.27	16.1	412	134	31.4	0.87	21	3.23	16.0	407	132
39.		9.	3.	16.8	446	162	40.9	0.38	11	3.45	16.7	442	160	40.5	0.37	12	3.41	16.5	436	158
36.3	0.81	7	3.36	16.3	428	152	38.1	0.59	16	3.33	16.1	424	150	37.8	0.58	17	3.30	16.0	418	148
		19	3.25	15.8	405	139	35.2	0.78	20	3.23	15.7	401	138	34.9	0.77	21	3.19	15.5	396	136
35.2	0.91	21	3.18	15.5	377	131	34.2	0.87	22	3.16	15.3	373	129	33.9	0.86	22	3.12	15.2	368	128
44.4	0.38	11	3.33	15.9	397	154	43.1	0.36	12	3.31	15.8	393	153	42.7	0.36	12	3.27	15.6	388	151
41.3	0.59	16	3.22	15.4	380	145	40.1	0.57	17	3.20	15.3	377	143	39.7	0.56	17	3.16	15.1	372	142
38.2	0.78	20	3.12	15.0	360	133	37.1	0.75	20	3.10	14.8	357	131	36.7	0.74	21	3.06	14.7	352	130
37.1	0.88	21	3.05	14.6	332	125	36.0	0.84	22	3.03	14.5	331	123	35.7	0.83	23	3.00	14.4	327	122
45.5	0.37	11	3.16	15.0	348	147	44.2	0.35	11	3.14	14.9	345	145	43.7	0.35	12	3.10	14.7	340	144
42.4	0.57	16	3.06	14.5	334	138	41.1	0.55	17	3.04	14.4	331	137	40.7	0.54	17	3.00	14.2	326	135
39.2	0.76	20	2.97	14.1	316	126	38.0	0.72	20	2.94	14.0	313	125	37.6	0.72	21	2.91	13.8	309	123
38.0	0.85	21	2.90	13.8	294	119	36.9	0.81	22	2.88	13.7	291	118	36.6	0.80	22	2.85	13.6	287	116
46.6	0.36	11	2.97	13.9	306	141	45.2	0.34	11	2.95	13.8	303	140	44.8	0.34	12	2.92	13.7	299	138
43.4	0.56	16	2.88	13.5	294	133	42.2	0.53	17	2.86	13.4	291	131	41.7	0.53	17	2.82	13.3	287	130
40.1	0.74	20	2.79	13.1	278	122	38.9	0.71	20	2.77	13.0	275	120	38.6	0.70	21	2.74	12.9	272	119
39.0	0.83	21	2.73	12.9	258	114	37.8	0.79	22	2.71	12.8	256	113	37.4	0.78	22	2.68	12.6	253	112
47.7	0.35	11	2.76	12.6 13.0	273	134	46.3	0.33	11	2.65 2.73	12.9	259 270	132	42.7 45.9	0.33	17 12	2.71	12.8	267	131
41.1 44.5	0.54	16	2.67		262	126	43.2	0.52	16	2.65	12.5		114 124 132		0.51		2.54 2.62 2.71	12.4	256	123
	0.71	19	2.59	12.0 12.3	248	115	39.9	0.68	22 20 16 11	2.51 2.57	11.9 12.2 12.5	245		39.5	0.67	20	2.54	12.1	242	112
39.9	0.80	21	2.53	_	230	108	38.7	0.76	22	2.51	-	228	107	38.3	0.75	22	2.49	11.8	225	106
MBh	S/T	ΔΤ	kW	Amps	HI PR	LO PR	MBh	S/T	ΔT	kW	Amps	HI PR	LO PR	MBh	S/T	ΔΤ	kW	Amps	HI PR	LO PR
			1400							1250							1200			
				_						75					_			_		

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects ACCA (TVA) conditions

EXPANDED COOLING DATA — GPH1543M41A* (cont.)

												OO	TDOOR	AMBIEN	OUTDOOR AMBIENT TEMPERATURE	ERATUR	щ									
				65	65ºF			75	75ºF			85ºF	3.F			95ºF	L.			105ºF	Ä,			115ºF	ш	
												ENTERING INDOOR WET	G INDO	OR WE		BULB TEMPERATURE	ATURE									
IDB	AIR	AIRFLOW	29	63	29	71	29	E9	29	71	65	63	67	71	29	63	29	71	29	63	29	71	29	63	29	71
		MBh	40.6	41.5	44.3	47.4	39.7	40.5	43.3	46.3	38.7	39.6	42.3	45.2	37.8	38.6	41.2	44.1	35.9	36.7	39.2	41.9	33.2	34.0	36.3	38.8
		S/T	0.88	0.82	0.67	0.50	0.91	0.85	0.69	0.52	6.03	0.87	0.71	0.53	0.96	0.90	0.73	0.55	1.00 (0.94 (0.76 (0.57	1.00 (0.94 (0.77	0.57
		ΔT	23	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	18	15
	1400	kW	2.56	2.61	2.69	2.78	2.75	2.81	2.90	3.00	2.93	2.99	3.09	3.19	3.08	3.15	3.25	3.36	3.21	3.28	3.39	3.51	3.32	3.40	3.51	3.63
		Amps	12.1	12.4	12.7	13.1	13.0	13.2	13.6	14.0	13.9	14.2	14.6	15.1	14.8	15.1	15.5	16.0	15.6	15.9	16.4	17.0 1	16.4	16.8	17.3	17.9
		HI PR	233	250	264	276	261	281	297	309	297	319	337	352	338	364	384	401	380	409	432	451 4	420	452	478	498
		LO PR	109	116	127	135	115	123	134	143	120	128	139	148	126	134	146	156	132	140	153	163	137	145	159	169
		MBh	39.4	40.3	43.0	46.0	38.5	39.3	42.0	44.9	37.6	38.4	41.0	43.9	36.7	37.5	40.0	42.8	34.8	35.6	38.0 2	40.6	32.3	33.0	35.2	37.7
		S/T	0.84	0.78	0.64	0.48	0.87	0.81	99.0	0.49	0.89	0.83	0.68	0.51	0.92	0.86	0.70	0.52	0.95 (0.89	0.73 (0.54 (0.96	0.90	0.73	0.55
		ΔT	24	23	20	16	25	23	20	16	25	24	20	16	25	24	21	16	24	23	20	16	23	22	19	15
80	1250	kW	2.54	2.59	2.67	2.76	2.73	2.79	2.88	2.97	2.90	2.97	3.06	3.16	3.05	3.12	3.23	3.33	3.18	3.25	3.36	3.48	3.30	3.37	3.48	3.60
		Amps	12.0	12.3	12.6	13.0	12.9	13.1	13.5	13.9	13.8	14.1	14.5	15.0	14.6	15.0	15.4	15.9	15.5	15.8	16.3	16.8	16.3	16.6	17.1	17.7
		HI PR	230	248	262	273	258	278	294	306	294	316	334	348	335	360	380	397	377	405	428	446	416	448	473	493
		LO PR	108	115	126	134	114	122	133	141	119	126	138	147	125	133	145	154	131	139	152	162	135	144	157	167
		MBh	39.0	39.9	42.6	45.5	38.1	38.9	41.6	44.5	37.2	38.0	40.6	43.4	36.3	37.1	39.6	42.4	34.5	35.2	37.6 4	40.2	31.9	32.6	34.9	37.3
		S/T	0.83	0.78	0.63	0.47	98.0	0.80	0.65	0.49	0.88	0.82	0.67	0.50	0.91	0.85	69.0	0.52	0.94 (0.88	0.72 0	0.54 0	0.95	0.89	0.72	0.54
		ΔT	25	24	21	16	25	24	21	17	25	24	21	17	25	24	21	17	25	24	21	17	23	22	19	15
	1200	kW	2.51	2.56	2.64	2.73	2.70	2.76	2.85	2.94	2.87	2.93	3.03	3.13	3.02	3.09	3.19	3.30	3.15	3.22	3.33	3.44	3.26	3.33	3.44	3.56
		Amps	11.9	12.1	12.5	12.9	12.7	13.0	13.4	13.8	13.7	14.0	14.4	14.8	14.5	14.8	15.2	15.7	15.3	15.6	16.1	16.6	16.1	16.5	17.0	17.5
		HI PR	227	245	258	269	255	275	290	302	290	312	330	344	330	356	376	392	372	400	422 ,	441 ,	411 '	442	467	487
		LO PR	107	114	124	132	113	120	131	139	117	125	136	145	123	131	143	152	129	137	150	160	133	142	155	165

38.5	0.75	19	3.66	18.0	503	171	37.4	0.71	20	3.63	17.9	498	169	37.0	0.70	20	3.59	17.7	492	167
36.1	0.92	22	3.54	17.4	482	160	35.0	0.88	23	3.51	17.3	478	159	34.7	0.87	23	3.47	17.1	471	157
34.5	1.00	23	3.43	16.9	457	147	33.5	0.97	24	3.40	16.8	452	145	33.1	96.0	24	3.36	16.6	446	143
33.8	1.00	22	3.35	16.6	425	138	32.8	1.00	24	3.32	16.4	420	137	32.5	1.00	25	3.29	16.2	415	135
41.6	0.74	20	3.54	17.1	455	165	40.4	0.70	21	3.51	17.0	451	163	40.0	0.70	21	3.47	16.8	445	161
39.0	0.91	23	3.42	16.5	437	155	37.8	0.87	24	3.39	16.4	432	153	37.5	98.0	25	3.35	16.2	427	151
37.2	1.00	24	3.31	16.1	413	142	36.1	96.0	56	3.28	15.9	409	140	35.8	0.95	56	3.25	15.8	404	139
36.5	1.00	24	3.24	15.7	384	133	35.4	1.00	56	3.21	15.6	380	132	35.1	66.0	27	3.18	15.4	375	130
43.8	0.71	20	3.39	16.2	405	157	42.5	0.68	21	3.36	16.0	401	156	42.1	0.67	22	3.32	15.9	396	154
41.0	0.88	24	3.28	15.6	388	148	39.8	0.84	25	3.25	15.5	384	146	39.4	0.83	25	3.22	15.4	379	144
39.2	0.97	25	3.17	15.2	368	135	38.0	0.93	26	3.15	15.1	364	134	37.6	0.92	56	3.11	14.9	359	132
38.4	1.00	25	3.11	14.9	342	127	37.3	96.0	56	3.08	14.8	338	126	36.9	0.95	27	3.05	14.6	334	124
44.9	0.69	20	3.22	15.2	355	150	43.5	99.0	21	3.19	15.1	352	148	43.1	0.65	22	3.16	15.0	347	146
42.0	0.85	23	3.11	14.7	341	141	40.8	0.81	24	3.09	14.6	337	139	40.4	0.80	25	3.05	14.5	333	137
40.1	0.94	25	3.02	14.3	323	129	39.0	0.90	56	2.99	14.2	319	128	38.6	0.89	26	2.96	14.1	315	126
39.4	0.98	25	2.95	14.0	300	121	38.2	0.93	56	2.93	13.9	297	120	37.9	0.92	27	2.90	13.8	293	118
45.9	0.67	20	3.02	14.2	312	144	44.6	0.64	21	3.00	14.0	309	143	44.2	0.63	21	2.97	13.9	305	141
43.1	0.83	23	2.93	13.7	300	135	41.8	0.79	24	2.90	13.6	297	134	41.4	0.78	25	2.87	13.5	293	132
41.1	0.92	25	2.83	13.3	284	124	39.9	0.88	26	2.81	13.2	281	123	39.5	0.87	56	2.78	13.1	277	121
40.3	0.95	25	2.77	13.1	264	117	39.2	0.91	26	2.75	13.0	261	115	38.8	06:0	27	2.72	12.8	258	114
47.0	0.65	20	2.71 2.80	13.2	278	136	40.9 42.8 45.7	0.62	21	2.78	12.7 13.1	276	135	40.5 42.4 45.2	0.61	21	2.66 2.75	13.0	272	133
44.1	0.80	23	2.71	12.8	267	128	42.8	0.76	24	2.69		264	127	42.4	0.76	25		12.6	261	125
41.3 42.1 44.1 47.0	0.89	25	2.63	12.5	253	117	40.9	0.85	25	2.61	12.4	250	116		0.84	26	2.58	12.2	247	115
41.3	0.92	25	2.58	12.2	235	110	40.1	0.88	97	2.56	12.1	233	109	39.7	0.87	56	2.53	12.0	230	108
MBh	S/T	ΔΤ	kW	Amps	HI PR	LO PR	MBh	T/S	ΔT	kW	Amps	HI PR	LO PR	MBh	S/T	ΔT	kW	Amps	HI PR	LO PR
Γ			1400							1250							1200			
		_					I			82				_						

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects AHRI (TVA) conditions

EXPANDED COOLING DATA — GPH1548M41A* – Low Stage

	105ºF 115ºF		71 59 63 67 71 59 63 67 71	- 29.5 30.6 33.5 - 27.3 28.3 31.0 -	- 0.87 0.73 0.50 - 0.88 0.73 0.51 -	- 17 15 11 - 16 14 11 -	- 2.69 2.74 2.83 - 2.78 2.84 2.93 -	- 11.9 12.1 12.5 - 12.5 12.7 13.1 -	- 355 382 403 - 392 422 445 -	- 137 145 159 - 141 150 164 -	- 28.6 29.7 32.5 - 26.5 27.5 30.1 -	- 0.83 0.69 0.48 - 0.84 0.70 0.48 -	- 18 16 12 - 17 15 11 -	- 2.67 2.72 2.81 - 2.75 2.81 2.90 -	- 11.8 12.0 12.4 - 12.4 12.6 13.0 -	- 351 378 399 - 388 418 441 -	- 135 144 157 - 140 149 163 -	- 26.4 27.4 30.0 - 24.5 25.4 27.8 -	- 0.80 0.67 0.46 - 0.81 0.67 0.47 -	- 18 16 12 - 17 15 11 -	- 2.60 2.66 2.74 - 2.69 2.74 2.83 -	- 11.5 11.7 12.1 - 12.1 12.3 12.7 -	- 341 367 387 - 376 405 428 -	
OUTDOOR AMBIENT TEMPERATURE	95ºF	ENTERING INDOOR WET BULB TEMPERATURE	59 63 67	31.0 32.2 35.2	0.84 0.70 0.48	18 15 12	2.58 2.64 2.72	11.2 11.5 11.8	315 339 358	130 139 151	30.1 31.2 34.2	0.80 0.67 0.46	18 16 12	2.56 2.62 2.70	11.2 11.4 11.7	312 336 355	129 137 150	27.8 28.8 31.6	0.77 0.64 0.45	19 16 12	2.50 2.55 2.63	10.9 11.1 11.4	303 326 344	
OUTDOOR AMBIE	85ºF	ENTERING INDOOR WI	59 63 67 71	31.8 33.0 36.1 -	0.81 0.68 0.47 -	18 15 12 -	2.46 2.51 2.59 -	10.6 10.8 11.2 -	277 298 315 -	124 132 144 -	30.9 32.0 35.1 -	0.77 0.65 0.45 -	18 16 12 -	2.44 2.49 2.57 -	10.6 10.8 11.1 -	274 295 311 -	123 131 143 -	28.5 29.5 32.4 -	0.75 0.62 0.43 -	19 16 12 -	2.38 2.43 2.51 -	10.3 10.5 10.8 -	266 286 302 -	
	75ºF		59 63 67 71	32.6 33.8 37.0 -	0.79 0.66 0.46 -	18 15 12 -	2.37 2.44 -	9.9 10.1 10.4 -	243 262 277 -	119 127 139 -	31.6 32.8 35.9 -	0.75 0.63 0.44 -	18 16 12 -	2.30 2.35 2.42 -	9.9 10.0 10.3 -	241 259 274 -	118 126 137 -	29.2 30.3 33.2 -	0.73 0.61 0.42 -	19 16 12 -	2.25 2.30 2.37 -	9.6 9.8 10.1 -	234 252 266 -	
	65ºF		59 63 67 71	33.4 34.6 37.9 -	0.76 0.64 0.44 -	17 15 11 -	2.16 2.21 2.27 -	9.3 9.5 9.7 -	217 233 247 -	113 120 131 -	32.4 33.6 36.8 -	0.73 0.61 0.42 -	18 16 12 -	2.15 2.19 2.26 -	9.2 9.4 9.7 -	215 231 244 -	112 119 130 -	29.9 31.0 34.0 -	0.70 0.59 0.41 -	18 16 12 -	2.10 2.14 2.20 -	9.0 9.2 9.5 -	208 224 237 -	
			IDB AIRFLOW	MBh	S/T	М	1350 kW	Amps	Hi PR	Lo PR	MBh) Y/S	TO	70 1200 kW	Amps	Hi PR	Lo PR	MBh) Z/S	TO	1050 kW	Amps	Hi PR	

	MBh	33.9 34.9 37.8	4.9 3.		40.6	33.1 34	34.1 3	36.9 39	39.6 32	32.4 33	33.3 36	36.1 38	38.7 3	31.6 32.5	.5 35.2	.2 37.8	8 30.0	0 30.9	9 33.4	4 35.9	9 27.8	8 28.6	31.0	33.2
	S/T	0.87 0	0.78 0.	0.59 0.	0.38 0.	0.90 0.	0.80	0.61 0.3	0.39 0.	0.92 0.	0.82 0.	0.62 0.	0.40 0	0.95 0.85	35 0.64	54 0.41	1 0.99	9 0.88	8 0.67	7 0.43	3 1.00	0 0.89	0.67	0.43
	DT	20	18 1	15 1	10 2	20 1	19	15 1	11 2	20 1	19 1	15 1	11	20 19	9 15	5 11	. 20	19	15	11	1 19	17	14	10
1350	kW	2.18 2	2.22 2.	2.29 2.	2.36 2.	2.34 2.	2.39 2	2.46 2.	2.54 2.	2.48 2.	2.53 2.	2.61 2.	2.69 2	2.60 2.66	56 2.74	74 2.83	3 2.71	1 2.77	7 2.85	5 2.95	5 2.80	0 2.86	2.95	3.05
	Amps	9.4	9.6	9.8 10	10.1	10.0	10.2	10.5 10	10.8 10	10.7	10.9 13	11.2 11	11.6 1	11.3 11.6	.6 11.9	.9 12.3	3 12.0	0 12.2	2 12.6	6 13.0	.0 12.6	6 12.8	13.2	13.6
	Hi PR	219 2	236 2	249 20	260 2	246 2	265 2	279 29	291 28	280 3	301 3	318 33	331 3	319 343	3 362	378	8 358	386	5 407	7 425	2 396	6 426	450	469
	Lo PR	114 1	121 1	133 1	141 1.	121 1	128 1	140 14	149 13	125 1	133 1	146 1	155 :	132 140	153	3 163	3 138	3 147	7 160	0 171	1 143	3 152	166	177
	MBh	32.9	33.9 36.7		39.4 32	32.2 33	33.1 3	35.9 38	38.5 31	31.4 3.	32.3 35	35.0 37	37.6 3	30.6 31	31.6 34.2	.2 36.7	7 29.1	1 30.0	0 32.4	4 34.8	.8 27.0	0 27.8	30.1	32.3
	S/T	0.83	0.74 0.	0.56 0.	0.36 0.	0.86 0.	0.77 0	0.58 0.3	0.37 0.	0.88 0.	0.79 0.	0.60 0.	0.38 0	0.91 0.81	31 0.61	51 0.40	0 0.94	4 0.84	4 0.64	4 0.41	1 0.95	5 0.85	0.64	0.41
	DT	21	19 1	16 1	11 2	21 1	19	16 1	11 2	21 1	19 1	16 1	11	21 20	0 16	5 11	. 21	19	16	11	1 20	18	15	10
1200	kW	2.16 2	2.21 2.	2.27 2.	2.34 2.	2.32 2.	2.37 2	2.44 2.5	2.52 2.	2.46 2.	2.51 2.	2.59 2.	2.67 2	2.58 2.64	2.72	72 2.81	1 2.69	9 2.74	4 2.83	3 2.92	2 2.78	8 2.84	2.93	3.02
	Amps	9.3	9.5	9.7 10	10.0	9.9	10.1	10.4 10	10.7 10	10.6	10.9	11.2 11	11.5 1	11.2 11.5	.5 11.8	.8 12.2	2 11.9	9 12.1	1 12.5	5 12.9	9 12.5	5 12.7	, 13.1	13.5
	Hi PR	217 2	233 2.	247 2	257 2	243 2	262 2	277 28	289 2	277 2	298 3	315 32	328	315 339	358	8 374	4 355	382	403	3 421	1 392	2 422	445	465
	Lo PR	113 1	120 1	131 1	140 1:	119 1	127 1	139 14	148 1	124 1	132 1	144 1	154 1	130 139	151	1 161	1 137	7 145	159	9 169	9 141	1 150	164	175
	MBh	30.4 3	31.3 33	33.9 36	36.4 29	29.7 30	30.6	33.1 35	35.5 29	29.0 29	29.9 32	32.3 34	34.7 2	28.3 29.1	.1 31.5	.5 33.8	8 26.9	9 27.7	7 29.9	9 32.1	1 24.9	9 25.6	27.7	29.8
	S/T	0.80	0.71 0.	0.54 0.	0.35 0.	0.83 0.	0.74 0	0.56 0.3	0.36 0.	0.85 0.	0.76 0.	0.57 0.	0.37 C	0.88 0.78	78 0.59	59 0.38	8 0.91	1 0.81	1 0.62	2 0.40	0.92	2 0.82	0.62	0.40
	DT	21	20 1	16 1	11 2	22 2	20	16 1	11 2	22 2	20 1	16 1	11	22 20	0 16	5 11	. 21	20	16	5 11	1 20	18	15	10
1050	kW	2.11 2	2.16 2.	2.22 2.	2.29 2.	2.27 2.	2.31 2	2.38 2.	2.46 2.	2.40 2.	2.45 2.	2.53 2.	2.61 2	2.52 2.57	57 2.65	55 2.74	4 2.62	2 2.68	8 2.76	6 2.85	5 2.71	1 2.77	2.86	2.95
	Amps	9.1	9.3	9.5	9.8	9.7	9.9	10.2 10	10.5 10	10.4 10	10.6 10	10.9 11	11.2 1	11.0 11.2	.2 11.5	.5 11.9	9 11.6	6 11.8	8 12.2	2 12.6	.6 12.2	2 12.4	12.8	13.2
	Hi PR	210 2	226 2	239 2	249 2.	236 2	254 2	268 28	280 20	269 2	289 3	305 3	318	306 329	9 348	8 363	3 344	1 370	391	1 408	8 380	0 409	432	451
	Lo PR	110	117 1	127 1	136 1	116 1	123 1	135 14	143 13	120 1	128 1	140 1	149 3	127 135	5 147	7 156	6 133	3 141	154	4 164	4 137	7 146	159	170
ring In	IDB: Entering Indoor Dry Bulb Temperature	alb Temper	ature									Sha	ded are	Shaded area reflects ACCA (TVA) conditions	ACCA (T	VA) cond	itions					kW = T	kW = Total system power	mod ma

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EXPANDED COOLING DATA — GPH1548M41A* - LOW STAGE (CONT.)

Signature Sign	63	FOF TSPF FOF 67 71 59 63 67 71 59 63 37.7 40.3 33.7 34.5 36.8 39.4 32.9 33. 0.73 40.3 33.7 34.5 36.8 39.4 32.9 33. 0.73 0.54 1.00 0.93 0.75 0.56 1.00 0.99 19 15 22 19 15 22 22 22 2.31 2.38 2.36 2.41 2.48 2.56 2.50 2.55 2.52 2.52 9.9 10.2 10.1 10.3 10.6 10.8 11. 134 122 24 282 294 282 294 282 36.6 39.1 32.7 33.5 38.2 32.0 32. 36.0 0.52 0.52 0.52 0.52 0.52 0.52 36.0 0.52 0.52	57 75eF ENTE 57 71 59 63 67 71 59 63 7.7 40.3 33.7 34.5 36.8 39.4 32.9 33. 7.7 40.3 33.7 34.5 36.8 39.4 32.9 33. 7.7 40.3 33.7 34.5 36.8 39.4 32.9 33. 1.3 1.5 1.0 0.9 0.75 0.56 1.00 0.9 3.1 2.38 2.36 2.41 2.48 2.56 2.50 2.5 3.9 10.2 10.1 10.3 10.6 10.9 10.8 11. 5.9 4.0 1.0 2.4 2.8 2.6 2.5 2.5 2.5 5.9 2.0 2.2 2.8 2.8 2.8 3.1 1.2 13 4.0 1.2 1.2 1.2 1.2 1.2 1.2 1.3 5.0<	SPSF FNTE 59 63 67 71 59 63 33.7 34.5 36.8 39.4 32.9 33. 1.00 0.93 0.75 0.56 1.00 0.9 2.3 2.2 19 1.5 2.2 2.5 2.36 2.41 2.48 2.56 2.50 2.5 10.1 10.3 10.6 10.9 10.8 11. 2.48 2.67 2.82 2.82 2.82 1.0 13. 1.22 130 142 142 13. 12. 13. 3.2.7 3.5.8 38.2 32.0 32. 32. 0.94 0.88 0.72 0.6 0.9 0.9	Age Fente 63 67 71 59 63 34.5 36.8 39.4 32.9 33. 0.9 0.75 0.56 1.00 0.9 22 19 22 2.4 2.2 22 2.41 2.48 2.56 2.50 2.5 10.3 10.6 10.9 10.8 11. 267 282 282 29 30. 130 142 151 127 13 33.5 35.8 38.2 32.0 32 0.8 0.75 0.54 0.96 0.90	67 71 59 64 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 63 64 64 64 64 64 64 64 64 64 64 64 64 64 64 64 64 64 64 64 64 64<	FATE 67 71 59 63 6.8 39.4 32.9 33. 7.75 0.56 1.00 0.9 1.95 0.55 0.56 1.00 0.9 1.96 1.5 2.2 22 22 2.48 2.56 2.50 2.5 2.5 2.61 10.9 10.8 11. 2.82 2.94 2.82 30 2.42 1.51 1.27 1.3 2.56 3.2 32. 32. 2.67 3.5 3.2 3.2 2.67 3.5 3.2 3.2 2.67 3.5 3.2 3.2 2.67 3.5 3.2 3.2 2.67 3.5 3.2 3.2 3.0 3.5 3.2 3.2 3.0 3.2 3.2 3.2 3.0 3.2 3.2 3.2 3.2 3.0 3.	59 32.9 1.00 22 2.50 1.08 282 1.27 32.0 0.96	633. 33. 22. 22. 22. 22. 22. 23. 30. 30. 32. 32. 32. 32. 32. 32. 32. 32. 33. 32. 33. 33	85ºF NTERIOR IND 83.6 83.6 83.6 83.6 82.7 82.7 82.8 83.7 83.8 83.7 83.7 83.7 83.7 83.7 83	67 67 111.3 32.1 14.7 34.9 30.7 4	/	AMBBEN OR WEI 71 71 38.4 0.58 1.5 2.71 11.7 33.5 37.3 0.55	11 TEMPI 1 BULB 29 22 2.62 11.00 22 2.62 11.4 32.2 13.3 31.2 1.00 1.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.	TEMPERATURE	## ### ###############################	71 37.5 0.60 1.5 1.5 2.85 112.4 381 165 36.4 0.57	59 1.00 21 2.73 12.0 362 139 29.6 1.00 20.6 29.6 1.00 20.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 29.6 2		7,7 883 888 888 888 888 22.7 72 72 79				67 71 30.9 33.0 0.83 0.62 1.18 14 2.98 3.07 13.3 13.8 1454 474 474 474 178 178 33.0 32.0 0.80 0.59
AT 23 22 19 16 24 23 20 kW 2.18 2.22 2.29 2.36 2.34 2.39 2.46 and a 6 a 8 101 100 102 105	22 19 16 24 23 2.22 2.29 2.36 2.34 2.39 a 6 a 8 101 100 10.2	2.29 2.36 2.34 2.39	2.36 2.34 2.39	24 23 2.34 2.39	23 2.39		20 2.46	1 1	16 2.54	24 2.48	23 2.53	20 2.61	2.69	2.60	23 2.66	20 2.74 11 9	2.83	23 2.71	22 2.77	20 2.85 17 6	2.95	21 2.80 2	21 2.86 1.2 8	18 15 2.95 3.05 13.7 13.6
219 236 249 260 246 265 279	9.6 9.8 10.1 10.0 10.2 10.5 236 249 260 246 265 279	249 260 246 265 279	260 246 265 279	10.0 10.2 10.5 246 265 279	265 279	279		일이	× H	280	301	318	332	319	343	362	378	358	386	11	++		1 1	
Lo PR 114 122 133 141 121 128 140 149 MBh 30.9 31.6 33.8 36.1 30.2 30.9 33.0 35.3	122 133 141 121 128 140 31.6 33.8 36.1 30.2 30.9 33.0	133 141 121 128 140 33.8 36.1 30.2 30.9 33.0	36.1 30.2 30.9 33.0	30.2 30.9 33.0	30.9 33.0	33.0	- 1	149 35.3	-	125 29.5	133 30.2	146 32.2	34.4	132	140 29.4	153 31.4	163 33.6	138 27.3	147 27.9	160 29.9	171 31.9	143 25.3	152 25.9	166 177 27.7 29.6
S/T 0.88 0.82 0.67 0.50 0.91 0.85 0.69 0.52	0.82 0.67 0.50 0.91 0.85 0.69	0.67 0.50 0.91 0.85 0.69	0.50 0.91 0.85 0.69	0.91 0.85 0.69	0.85 0.69	0.69	1 1	0.52	Н	0.93	0.87	0.71	0.53	96.0	06.0	0.73	0.55	1.00	0.93	0.76	0.57	1.00 (0.94	0.77 0.57
ΔT 24 23 20 16 24 23 20 16	23 20 16 24 23 20	20 16 24 23 20	16 24 23 20	24 23 20	23 20	20		16	-	24	23	20	16	24	23	20	16	24	23	70	16	22	21	19
kW 2.13 2.17 2.24 2.31 2.28 2.33 2.40 2.48	2.17 2.24 2.31 2.28 2.33 2.40	2.24 2.31 2.28 2.33 2.40	2.31 2.28 2.33 2.40	2.28 2.33 2.40	2.33 2.40	2.40		2.48		2.42	2.47	2.55	2.63	2.54	2.59	2.68	2.76	2.64	2.70	2.78	2.87	2.73	2.79	2.88 2.97
Amps 9.2 9.4 9.6 9.9 9.8 10.0 10.2 10.6	9.4 9.6 9.9 9.8 10.0 10.2	9.6 9.9 9.8 10.0 10.2	9.9 9.8 10.0 10.2	9.8 10.0 10.2	10.0 10.2	10.2		10.6		10.5	10.7	11.0	11.3	11.1	11.3	11.6	12.0	11.7	11.9	12.3	12.7	12.3	12.5	12.9 13.3
Hi PR 213 229 242 252 239 257 271 283	229 242 252 239 257 271	242 252 239 257 271	252 239 257 271	239 257 271	257 271	271		283		271	292	308	322	309	333	351	998	348	374	395	412	384	413	436 455
361 361 711 761 061 011	129 137 117 125 136	118 129 137 117 125 136 145	127 117 125 126	361 361 711	301 301	126		111		,,	00,	4 0 4	01.	007	700	1 40	01,	,,,	117	716	100	000	7 7 7	161 171

			1350							85 1200							1050			
MBh	S/T	ΔT	kW	Amps	HiPR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR
MBh 35.1	1.00	24	2.21	9.2	224	117	34.1	0.95	22	2.20	9.2	221	115	31.5	0.92	22	2.15	9.5	215	117
35.8	0.96	23	2.21 2.26	9.7	241	124	34.8	0.92	24	2.20 2.24	9.6	238	123	32.1	0.89	25	2.19	9.4	231	119
37.5 40.0	0.87	22	2.33	10.0	254	135	36.4	0.83	23	2.31 2.38	6.6	252	134	33.6	0.80	24	2.25	9.7	244	130
-	0.70	19	2.40	10.3	265	144	38.9	0.67	20	2.38	10.2	262	143	35.9	0.65	20	2.32	10.0	254	138
34.3	1.00	23	2.38	10.2	251	123	33.3	0.99	25	2.36	10.1	248	122	30.8	0.95	56	2.30	8.6	241	118
35.0	1.00	24	2.42	10.4	270	131	34.0	0.95	25	2.41	10.3	267	130	31.4	0.92	25	2.35	10.0	259	126
36.6	06.0	22	2.50	10.6	285	143	35.6	98.0	23	2.48	10.6	282	142	32.8	0.83	24	2.42	10.3	274	137
39.1	0.73	19	2.58	11.0	297	152	38.0	0.70	20	2.56	10.9	294	151	35.0	0.67	21	2.50	10.6	286	116
33.5	1.00	23	2.52	10.9	285	128	32.5	1.00	25	2.50	10.8	282	127	30.0	0.98	56	2.44	10.6	274	172
34.2	1.00	23	2.57	11.1	307	136	33.2	0.98	25	2.55	11.0	304	135	30.6	0.94	25	2.49	10.8	295	121
35.8	0.92	22	2.65	11.4	324	149	34.7	0.88	23	2.63	11.3	321	147	32.1	0.85	24	2.57	11.1	311	1/12
38.2	0.75	19	2.74	11.8	338	158	37.0	0.71	20	2.71	11.7	335	157	34.2	69.0	21	2.65	11.4	325	15.2
32.7	1.00	22	2.64	11.5	325	134	31.7	1.00	24	2.62	11.4	322	133	29.3	1.00	56	2.56	11.2	312	120
33.3	1.00	23	2.70	11.8	350	143	32.3	1.00	25	2.68	11.7	346	142	29.9	0.97	25	2.62	11.4	336	127
34.9	0.95	23	2.79	12.1	369	156	33.9	0.91	24	2.76	12.0	366	155	31.3	0.88	24	2.70	11.7	355	150
37.2	0.77	20	2.88	12.5	385	166	36.1	0.74	20	2.85	12.4	381	165	33.4	0.71	21	2.78	12.1	370	160
31.1	1.00	21	2.75	12.1	366	141	30.1	1.00	23	2.73	12.0	362	139	27.8	1.00	24	2.66	11.8	351	125
31.7	1.00	22	2.81	12.4	393	150	30.7	1.00	24	2.79	12.3	390	148	28.4	1.00	25	2.72	12.0	378	177
33.2	0.99	22	2.90	12.8	415	164	32.2	0.94	23	2.88	12.7	411	162	29.7	0.91	24	2.81	12.4	399	157
35.4	08.0	19	3.00	13.2	433	174	34.3	0.77	20	2.97	13.1	429	172	31.7	0.74	20	2.90	12.8	416	167
28.8	1.00	20	2.84	12.8	404	146	27.9	1.00	21	2.82	12.7	400	144	25.8	1.00	23	2.75	12.4	388	1 10
29.3	1.00	20	2.91	13.0	435	155	28.5	1.00	22	2.88	12.9	430	153	26.3	1.00	23	2.81	12.6	417	1/10
30.7	1.00	21	3.00	13.4	459	169	29.8	0.95	22	2.98	13.3	454	168	27.5	0.92	22	2.90	13.0	441	162
32.8	0.81	18	3.10	13.9	479	180	31.8	0.77	19	3.07	13.8	474	178	29.4	0.74	19	3.00	13.4	460	172

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

conditions

Shaded area reflects AHRI (TVA) conditions

EXPANDED COOLING DATA — GPH1548M41A* – HIGH STAGE

												OUTD	JOR AM	IBIENT 7	OUTDOOR AMBIENT TEMPERATURE	TURE									
				65ºF		H		75ºF		\dashv		85ºF		\mathbb{H}		95ºF			1,	105ºF			11	115ºF	
											ENT	ERING I	NDOOR	WET B	ENTERING INDOOR WET BULB TEMPERATURE	PERATL	JRE								
IDB	AIRFLOW	29	63	19	71	Н	29 69	63 67	7 71	Н	59 63	Н	2 29	71 59	63	9 67	7 71	29	63	67	71	29	63	29	71
	MBh	h 45.0	0 46.7	7 51.2	2 -	4	44.0 45	45.6 50.0	0:	43.0	.0 44.5		48.8	. 41	41.9 43.4	4 47.6	- 9	39.8	41.3	45.2	۱	36.9	38.2	41.9	1
	S/T	- 0.77	7 0.64	4 0.45		0.	0.80 0.6	0.67 0.46	- 91	0.82	82 0.68		0.47	- 0.85	85 0.71	1 0.49	- 6t	0.88	0.73	0.51	- 1	0.88	0.74	0.51	
	Δ	17	15	11			17 1	15 11	1 -	17	7 15		11 -	- 17	7 15	5 11	- 1	17	15	11		16	14	10	'
19	1900 kW	3.25	5 3.31	1 3.41	1	w.	3.48 3.5	3.55 3.65	5	3.68	58 3.76		3.87	3.8	3.86 3.94	4 4.06	- 90	4.01	4.10	4.23	-	4.15	4.23	4.37	١
	Amps	s 13.7	7 13.9	9 14.3	3	1,	14.6 14	14.9 15.3	.3	15	15.6 15.9		16.4	. 16	16.5 16.8	8 17.3	.3	17.4	17.8	18.3		18.3	18.7	19.2	
	Hi PR	R 232	2 249	9 263		Н		280 296	- 91	\vdash	296 318		336 -	- 337	37 363	3 383		379	408	431		419	451	476	'
	Lo PR	R 110) 117	7 128	3	1	116 12	124 135	5	121	129		140	- 12	127 135	5 147	- 7	133	142	155	-	138	146	160	-
	MBh	h 44.4	4 46.0	0 50.4	4	4	43.3 44	44.9 49.2	.2 -	42	42.3 43.9		48.1	- 41.3	3 42.8	8 46.9	- 6:	39.2	40.7	44.5		36.3	37.7	41.3	-
_	T/S	- 0.74	4 0.62	2 0.43	3 -	0.	0.76 0.6	0.64 0.44	- +1	Н	0.78 0.65		0.45	- 0.81	81 0.68	8 0.47	- 21	0.84	0.70	0.49	- 6	0.85	0.71	0.49	1
	DT	. 18	15	12			18 1	16 12		1	18 16		12 -	- 18	18 16	5 12	2 -	18	15	12	1	17	14	11	1
70 17	1700 kW	-	(,,	0 3.39	- 6	3.		3.53 3.64	5	3.6	3.66 3.74		3.85	- 3.8	3.84 3.92	12 4.04		3.99	4.08	3 4.20	- (4.12	4.21	4.34	1
	Amps	os 13.6	6 13.9	9 14.2	2 -	1,	14.5 14	14.8 15.2	.2 -	\vdash	15.5 15	15.8 16	16.3	- 16	16.4 16.8	8 17.2	.2 -	17.3	17.7	, 18.2	- 2	18.2	18.6	19.1	١
_	Hi PR	R 230) 248	8 262		2	258 27	278 293	8	294	316		334	- 33	335 360	0 380	- 0	376	405	428	-	416	447	473	,
	Lo PR	Ш				1		123 134	- 4	12	120 128		139 -	- 12	126 134	4 146	- 9	132	141	153	-	137	145	159	١.
L	MBh	h 42.2	2 43.7	7 47.9	- 6	4	41.2 42	42.7 46.8	- 8:	40	40.2 41	41.7 45	45.7	- 39	39.2 40.7	7 44.5	- 5	37.3	38.6	42.3	8	34.5	35.8	39.2	'
	S/T	- 0.71	1 0.59	9 0.41	1	0.	0.73 0.61	61 0.42		0.75	75 0.63		0.43	- 0.7	0.78 0.65	5 0.45	51	0.80	0.67	0.47	- 1	0.81	0.68	0.47	
_	DT	18	16	12		_	18 10	16 12	- 2	_	19 16		12 -	- 19	19 16	5 12	2	18	16	12	-	17	15	11	
15	1500 kW	3.19	9 3.25	5 3.34	4	3.	3.41 3.4	3.48 3.58	- 83	3.61	51 3.68		3.79	3.	3.78 3.86	96.8	- 86	3.93	4.01	4.14	- 1	4.06	4.14	4.27	'
	Amps	os 13.4	4 13.7	7 14.0	- G	1,	14.3 14	14.6 15.0	- 0:	15.3	.3 15.6		16.0	- 16	16.2 16.5	5 17.0	- 0:	17.0	17.4	17.9	- (17.9	18.3	18.8	1
	Hi PR	R 226	5 243	3 256	5 -	2	253 27	272 288	- 8	_	288 310	10 327		- 32	328 353	3 373	6	369	397	419	-	407	439	463	1
_	Lo PR	R 107	7 114	4 124	1	1	113 12	120 131	1 -	11	118 125		137 -	- 12	124 131	1 143	.3	129	138	150	-	134	142	156	-
L	MBh	h 45.8	8 47.2	2 51.1		54.8 4	44.7 46	46.1 49.9	.9 53.5	Н	43.7 45.0		48.7 52	52.2 42.6	.6 43.9	9 47.5	.5 51.0	0 40.5	41.7	, 45.1	1 48.4	37.5	38.6	41.8	44.9
	S/T	- 0.88	8 0.78	8 0.59	9 0.38	Н	0.91 0.81	81 0.61	51 0.40	10 0.93	93 0.83		0.63 0.41	41 0.96	98.0 96	99.0	55 0.42	2 1.00	0.89	0.67	7 0.43	1.00	0.90	0.68	0.44
	DT	. 19	18	3 15	10		20 1	18 15	5 10	_	20 18		15 1	10 20	20 18	3 15	5 10	20	18	15	10	18	17	14	10
19	1900 kW	3.27	7 3.34	4 3.44	4 3.54	-	3.51 3.5	3.58 3.68	58 3.80	30 3.71	71 3.79		3.90 4.0	4.02 3.8	3.89 3.97	7 4.10	10 4.22	2 4.05	4.13	4.26	5 4.39	4.18	4.27	4.40	4.54
	Amps	os 13.8	8 14.0	0 14.4	4 14.9	-	14.7 15	15.0 15.4	.4 15.9		15.7 16.0		16.5 17	17.0 16	16.6 17.0	.0 17.5	.5 18.0	0 17.5	17.9	18.4	19.0	18.4	18.8	19.4	20.0
_	-					<u>'</u>				Ľ											:				

kW = Total system power	<w =="" power<="" system="" th="" total=""><th>kW = To</th><th></th><th></th><th></th><th></th><th>ons</th><th>Shaded area reflects ACCA (TVA) conditions</th><th>CA (TVA</th><th>ects AC</th><th>area refl</th><th>Shaded a</th><th>0,</th><th></th><th></th><th></th><th></th><th>:</th><th>ě</th><th>:</th><th>-</th><th>perature</th><th>ulb Temp</th><th>IDB: Entering Indoor Dry Bulb Temperature</th><th>ering Ind</th></w>	kW = To					ons	Shaded area reflects ACCA (TVA) conditions	CA (TVA	ects AC	area refl	Shaded a	0,					:	ě	:	-	perature	ulb Temp	IDB: Entering Indoor Dry Bulb Temperature	ering Ind
167	157	144	135	162	152	139	131	154	145	133	125	147	138	126	119	141	133	122	114	134	126	115	108	Lo PR	
488	468	443	412	442	423	401	373	393	376	356	331	345	330	313	291	303	291	275	256	270	259	245	228	Hi PR	
19.6	18.9	18.4	18.0	18.6	18.0	17.5	17.2	17.6	17.1	16.6	16.3	16.7	16.2	15.7	15.4	15.5	15.1	14.7	14.4	14.1 14.6	14.1	13.8	13.5	Amps	
4.44	4.31	4.18	4.09	4.30	4.17	4.04	3.96	4.13	4.01	3.89	3.81	3.94	3.82	3.71	3.64	3.72	3.61	3.50	3.44	3.47	3.37	3.27	3.21	kW	1500
10	15	18	70	11	16	70	21	11	16	20	22	11	16	20	21	11	16	20	21	11	16	19	21	DT	
0.40	0.62	0.82	0.92	0.40	0.62	0.82	0.91	0.38	09.0	0.79	0.88	0.37	0.58	92.0	0.85	0.36	0.56	0.74	0.83	0.35	0.54	0.72	0.80	S/T	
42.0	39.1	36.1	35.1	45.3	42.2	39.0	37.9	47.7	44.5	41.1	39.9	48.9	45.6	42.1	40.9	50.1	46.7	43.1	41.9	51.3	47.8	44.1	42.9	MBh	
171	160	147	138	165	155	142	133	158	148	135	127	150	141	129	121	144	135	124	117	137	128	117	110	Lo PR	
498	477	452	420	451	432	409	380	401	384	364	338	352	337	319	297	309	296	281	261	276	264	250	233	Hi PR	
19.9	19.3	18.7	18.3	18.9	18.3	17.8	17.4	17.9	17.4	16.9	16.5	16.9	16.4	16.0	15.6	15.8	15.3	14.9	14.6	13.7 14.0 14.3 14.8	14.3	14.0	-	Amps	'
4.52	4.38	4.24	4.16	4.37	4.24	4.11	4.02	4.20	4.07	3.95	3.87	4.00	3.88	3.77	3.69	3.78	3.66	3.56	3.49	3.52	3.42	3.32	3.26	kW	1700
10	15	18	19	11	16	19	21	11	16	19	21	11	16	19	21	11	16	19	21	11	15	19	20	DT	
0.42	0.65	0.86	0.96	0.42	0.65	0.85	0.95	0.40	0.62	0.82	0.92	0.39	09.0	0.80	0.89	0.38	0.59	0.78	0.87	0.37	0.57	0.75	0.84	S/T	
44.2	41.2	38.0	36.9	47.7	44.5	41.1	39.9	50.2	46.8	43.2	42.0	51.5	48.0	44.3	43.0	52.7	49.1	45.4	44.1	54.0	50.3	46.5	45.1	MBh	
172	161	148	139	166	156	143	134	159	149	136	128	151	142	130	122	145	136	125	117	138	129	118	111	Lo PR	
501	481	455	423	454	435	412	383	403	387	366	340	354	340	322	299	311	299	283	263	277	266	252	234	Hi PR	
1 20.0	19.4	18.8	18.4	19.0	18.4	17.9	17.5	18.0	17.5	17.0	16.6	17.0	16.5	16.0	15.7	15.9	15.4	15.0	14.7	14.9	14.0 14.4 14.9		13.8	Amps	
4.54	4.40	4.27	4.18	4.39	4.26	4.13	4.05	4.22	4.10	3.97	3.89	4.02	3.90	3.79	3.71	3.80	3.68	3.58	3.51	3.54	3.44	3.34	3.27	kW	1900
10	14	17	18	10	15	18	20	10	15	18	20	10	15	18	20	10	15	18	20	10	15	18	19	TO	
0.44	0.68	0.90	1.00	0.43	0.67	0.89	1.00	0.42	0.65	0.86	96.0	0.41	0.63	0.83	0.93	0.40	0.61	0.81	0.91	0.38	0.59	0.78	0.88	T/S	
44.9	41.8	38.6	37.5	48.4	45.1	41.7	40.5	51.0	47.5	43.9	42.6	52.2	48.7	45.0	43.7	53.5	49.9	46.1	44.7	45.8 47.2 51.1 54.8	51.1	47.2	45.8	MBh	

EXPANDED COOLING DATA — GPH1548M41A* - HIGH STAGE (CONT.)

Lange Lange <th colspan<="" th=""><th>3029</th><th>6605</th><th>9029</th><th>6505</th><th>200</th><th></th><th></th><th></th><th>750</th><th></th><th></th><th></th><th>OUTD</th><th>300R A</th><th>OUTDOOR AMBIENT TEMPERATURE</th><th>T TEMPI</th><th>ERATURE</th><th>اسا</th><th></th><th></th><th>10505</th><th></th><th></th><th></th><th>11505</th><th></th><th></th></th>	<th>3029</th> <th>6605</th> <th>9029</th> <th>6505</th> <th>200</th> <th></th> <th></th> <th></th> <th>750</th> <th></th> <th></th> <th></th> <th>OUTD</th> <th>300R A</th> <th>OUTDOOR AMBIENT TEMPERATURE</th> <th>T TEMPI</th> <th>ERATURE</th> <th>اسا</th> <th></th> <th></th> <th>10505</th> <th></th> <th></th> <th></th> <th>11505</th> <th></th> <th></th>	3029	6605	9029	6505	200				750				OUTD	300R A	OUTDOOR AMBIENT TEMPERATURE	T TEMPI	ERATURE	اسا			10505				11505		
45. 62. 63. 67. 71. 59. 63. 67. 71. 69. 71. 59. 63. 67. 71. 67. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. 47. <th>15C/</th> <th></th> <th></th> <th></th> <th></th> <th>1261</th> <th>/5²r</th> <th>/5≚F</th> <th>اا</th> <th></th> <th></th> <th>Ē</th> <th>VTERING</th> <th>INDOC</th> <th>JR WET</th> <th></th> <th>95°L</th> <th>ATURE</th> <th></th> <th></th> <th>105²</th> <th>_</th> <th></th> <th></th> <th>11521</th> <th></th> <th></th>	15C/					1261	/5²r	/5≚F	اا			Ē	VTERING	INDOC	JR WET		95°L	ATURE			105 ²	_			11521			
45.4 48.5 51.9 43.4 44.3 47.3 50.6 41.2 42.1 45.0 48.1 39.0 44.3 47.3 40.0 60.0 40.0 60.0 60.0 100 0.80 0.60 100 0.80 0.60 100 0.80 0.60 100 0.80 0.60 100 0.80 0.60 100 0.80 0.60 100 0.80 0.60 100 0.80 0.60 100 0.80 0.60 100 0.80 0.60 100 0.80 0.60 100 0.80 0.60 100 0.80 0.60 100 0.80 0.60 100 100 100 0.80 0.60 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100	AIRFLOW 59 63 67 71 59 63 67	59 63 67 71 59 63	63 67 71 59 63	67 71 59 63	71 59 63	59 63	63	Н	29	_	71	59	63	67	71	59	63	29	71	59	63	H	H	H	Н	H	71	
0.96 0.78 0.58 1.00 1.00 0.80 0.60 1.00 1.00 0.80 0.60 0.83 0.62 1.00 1.00 0.83 0.62 1.00 1.00 0.83 0.62 1.00 1.00 0.83 0.62 1.00 1.00 0.83 0.62 1.00 1.00 0.84 1.00 1.00 0.83 1.00 1.00 1.00 1.00 0.83 1.00 1.00 1.00 0.84 1.00 1.00 1.00 1.00 0.84 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 <th< td=""><th>MBh 46.6 47.6 50.9 54.4 45.5 46.5 49.7</th><th>46.6 47.6 50.9 54.4 45.5 46.5 49.7</th><td>46.6 47.6 50.9 54.4 45.5 46.5 49.7</td><td>47.6 50.9 54.4 45.5 46.5 49.7</td><td>50.9 54.4 45.5 46.5 49.7</td><td>45.5 46.5 49.7</td><td>46.5 49.7</td><td>5 49.7</td><td></td><td></td><td>53.1</td><td></td><td></td><td>2</td><td>6</td><td>4</td><td>3</td><td></td><td>9</td><td>2</td><td>ч</td><td></td><td>Н</td><td>2</td><td>0</td><td></td><td>44.5</td></th<>	MBh 46.6 47.6 50.9 54.4 45.5 46.5 49.7	46.6 47.6 50.9 54.4 45.5 46.5 49.7	46.6 47.6 50.9 54.4 45.5 46.5 49.7	47.6 50.9 54.4 45.5 46.5 49.7	50.9 54.4 45.5 46.5 49.7	45.5 46.5 49.7	46.5 49.7	5 49.7			53.1			2	6	4	3		9	2	ч		Н	2	0		44.5	
21 18 12 19 15 10 10 10 18 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 14 15 15 15 15 15<	S/T 0.96 0.90 0.73 0.55 1.00 0.93 0.76 0.	0.96 0.90 0.73 0.55 1.00 0.93 0.76	0.90 0.73 0.55 1.00 0.93 0.76	0.90 0.73 0.55 1.00 0.93 0.76	0.73 0.55 1.00 0.93 0.76	1.00 0.93 0.76	0.93 0.76	92.0		0	57	1.00 (96		-			80	\dashv				.62 1				0.63	
3.82 3.93 4.05 3.92 4.06 4.13 4.26 4.08 4.16 4.29 4.43 4.21 4.30 4.43 4.26 4.08 4.16 4.29 4.43 4.21 4.30 4.12 4.20 4.21 4.02 4.22 4.02 4.22 4.02 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.22 4.23 4.22 4.23 4.22 4.23 4.24 4.22 4.23 4.24 4.22 4.23 4.24 4.22 4.23 4.24 4.23 4.24 4.23 4.24 4.23 4.24 4.23 4.24 4.23 4.24 4.23 4.24 <th< td=""><th>ΔT 22 21 18 14 22 21 18</th><th>22 21 18 14 22 21</th><td>21 18 14 22 21</td><td>18 14 22 21</td><td>14 22 21</td><td>22 21</td><td>21</td><td></td><td>18</td><td></td><td>15</td><td>22</td><td>21</td><td>18</td><td>15</td><td>21</td><td>21</td><td>18</td><td>15</td><td>20</td><td>20</td><td></td><td>_</td><td></td><td></td><td></td><td>14</td></th<>	ΔT 22 21 18 14 22 21 18	22 21 18 14 22 21	21 18 14 22 21	18 14 22 21	14 22 21	22 21	21		18		15	22	21	18	15	21	21	18	15	20	20		_				14	
16.2 16.6 17.2 16.8 17.1 18.0 18.6 19.2 18.6 19.0 19.2 325 343 376 391 407 387 416 439 458 427 460 486 44.8 43.8 344 370 391 407 387 416 439 458 427 460 486 44.8 47.8 51.1 42.7 43.7 46.7 40.6 41.5 44.8 459 46.6 41.8 426 420 486 41.9 46.9 46.0 41.9 46.0 41.9 46.0 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9 41.9	1900 kW 3.30 3.36 3.46 3.56 3.53 3.60 3.71	kW 3.30 3.36 3.46 3.56 3.53 3.60 3.71	3.36 3.46 3.56 3.53 3.60 3.71	3.36 3.46 3.56 3.53 3.60 3.71	3.46 3.56 3.53 3.60 3.71	3.56 3.53 3.60 3.71	3.60 3.71	3.71	71		3.82	3.74	82	93	\dashv	92			26				-	21		44	4.58	
325 343 358 344 370 391 407 387 416 439 458 459 450 486 420 480 486 450 480 486 480 480 486 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 480 <th>Amps 13.9 14.1 14.5 15.0 14.8 15.1 15.5</th> <th>13.9 14.1 14.5 15.0 14.8 15.1 15.5</th> <td>13.9 14.1 14.5 15.0 14.8 15.1 15.5</td> <td>14.1 14.5 15.0 14.8 15.1 15.5</td> <td>15.0 14.8 15.1 15.5</td> <td>15.0 14.8 15.1 15.5</td> <td>15.1 15.5</td> <td>15.5</td> <td></td> <td>٠.,</td> <td>16.0</td> <td></td> <td>7</td> <td></td> <td>_</td> <td>∞</td> <td></td> <td></td> <td>7</td> <td></td> <td></td> <td></td> <td>``</td> <td>7</td> <td>0</td> <td>2</td> <td>20.2</td>	Amps 13.9 14.1 14.5 15.0 14.8 15.1 15.5	13.9 14.1 14.5 15.0 14.8 15.1 15.5	13.9 14.1 14.5 15.0 14.8 15.1 15.5	14.1 14.5 15.0 14.8 15.1 15.5	15.0 14.8 15.1 15.5	15.0 14.8 15.1 15.5	15.1 15.5	15.5		٠.,	16.0		7		_	∞			7				``	7	0	2	20.2	
44.8 47.2 43.7 46.7 46.9 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.7 41.7 42.7 43.7 46.7 49.9 40.6 41.5 41.4 47.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 41.6 <th< td=""><th>Hi PR 236 254 269 280 265 286 302</th><th>236 254 269 280 265 286 302</th><td>236 254 269 280 265 286 302</td><td>254 269 280 265 286 302</td><td>280 265 286 302</td><td>265 286 302</td><td>286 302</td><td>302</td><td></td><td></td><td>315</td><td>302</td><td></td><td>343</td><td>-</td><td></td><td></td><td>391</td><td>407</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>506</td></th<>	Hi PR 236 254 269 280 265 286 302	236 254 269 280 265 286 302	236 254 269 280 265 286 302	254 269 280 265 286 302	280 265 286 302	265 286 302	286 302	302			315	302		343	-			391	407				-				506	
44.8 47.8 51.1 42.7 43.7 46.7 49.9 40.6 41.5 44.3 47.6 41.5 44.8 47.6 41.5 44.8 47.6 41.3 47.4 47.6 41.9 40.6 41.5 41.3 47.6 41.9 41.9 47.6 41.9 47.6 41.9 47.6 41.0 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 60.9 <th< td=""><th>Lo PR 112 119 130 139 119 126 138</th><th>112 119 130 139 119 126 138</th><td>112 119 130 139 119 126 138</td><td>119 130 139 119 126 138</td><td>130 139 119 126 138</td><td>119 126 138</td><td>126 138</td><td>138</td><td></td><td></td><td>147</td><td>123</td><td></td><td>143</td><td>-</td><td></td><td></td><td>150</td><td>160</td><td>136</td><td></td><td></td><td>\dashv</td><td></td><td></td><td></td><td>174</td></th<>	Lo PR 112 119 130 139 119 126 138	112 119 130 139 119 126 138	112 119 130 139 119 126 138	119 130 139 119 126 138	130 139 119 126 138	119 126 138	126 138	138			147	123		143	-			150	160	136			\dashv				174	
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3.80 3.91 4.03 3.96 4.11 4.23 4.06 4.14 4.27 4.41 4.19 4.28 4.41 16.1 16.2 17.0 17.5 18.1 17.6 17.9 18.5 19.1 18.5 18.9 4.41 323 341 367 388 405 384 413 436 455 424 457 482 42.5 45.4 48.6 40.6 41.5 47.4 38.6 39.4 42.1 45.7 48.7 48.7 48.7 48.7 48.7 48.2 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 48.7 <t< td=""><th>ΔT 23 22 19 15 23 22 19</th><th>23 22 19 15 23 22 19</th><td>22 19 15 23 22 19</td><td>19 15 23 22 19</td><td>15 23 22 19</td><td>23 22 19</td><td>22 19</td><td>19</td><td></td><td> </td><td>15</td><td>23</td><td>22</td><td>19</td><td>15</td><td>23</td><td>22</td><td>19</td><td>16</td><td>22</td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>14</td></t<>	ΔT 23 22 19 15 23 22 19	23 22 19 15 23 22 19	22 19 15 23 22 19	19 15 23 22 19	15 23 22 19	23 22 19	22 19	19			15	23	22	19	15	23	22	19	16	22			-				14	
16.1 16.5 17.1 17.5 18.1 17.6 17.6 18.5 18.5 18.5 18.9 18.4 323 341 367 388 405 384 413 436 455 424 457 489 499 489 413 413 413 413 413 413 413 413 413 413 413 413 413 413 413 414 413 414 413 414 413 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 414 <	1700 kW 3.28 3.35 3.44 3.55 3.51 3.58 3.69 3.	kW 3.28 3.35 3.44 3.55 3.51 3.58 3.69 3	3.35 3.44 3.55 3.51 3.58 3.69 3	3.35 3.44 3.55 3.51 3.58 3.69 3	3.44 3.55 3.51 3.58 3.69 3	3.51 3.58 3.69 3	3.58 3.69 3	3.69 3	3	w.	.80	3.72			\dashv				-				\dashv				4.55	
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130 142 151 129 137 149 159 135 143 157 167 139 148 162 42.5 45.4 48.6 40.6 41.5 44.3 47.4 38.6 39.4 42.1 45.0 35.7 36.5 39.0 0.88 0.71 0.53 0.97 0.91 0.74 0.55 1.00 0.94 0.77 0.57 1.01 0.95 0.77 23 20 16 24 23 20 16 24 23 20 16 24 23 20 16 22 21 18 3.74 3.85 3.97 3.84 3.92 4.04 4.17 3.99 4.08 4.20 4.23 4.2 18 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 4.34 <t< td=""><th>Hi PR 235 253 267 278 264 284 299</th><th>235 253 267 278 264 284 299</th><td>235 253 267 278 264 284 299</td><td>253 267 278 264 284 299</td><td>278 264 284 299</td><td>264 284 299</td><td>284 299</td><td>299</td><td></td><td></td><td>312</td><td>300</td><td></td><td>341</td><td>\dashv</td><td></td><td></td><td>388</td><td>405</td><td></td><td></td><td></td><td>\dashv</td><td></td><td></td><td></td><td>503</td></t<>	Hi PR 235 253 267 278 264 284 299	235 253 267 278 264 284 299	235 253 267 278 264 284 299	253 267 278 264 284 299	278 264 284 299	264 284 299	284 299	299			312	300		341	\dashv			388	405				\dashv				503	
42.5 45.6 48.6 40.6 41.5 44.3 47.4 38.6 39.4 42.1 45.0 35.7 36.5 36.5 39.0 0.88 0.71 0.53 0.97 0.91 0.74 0.55 1.00 0.94 0.77 0.57 1.01 0.95 39.0 23 20 16 24 23 20 16 24 23 20 16 22 21 18 3.74 3.85 3.97 3.84 3.92 4.04 4.17 3.99 4.08 4.20 4.33 4.21 4.34 15.8 16.3 16.4 16.8 17.2 17.3 17.7 18.2 18.2 18.0 19.1 316 335 360 380 396 376 405 428 416 477 473 128 139 136 132 141 153 145 149 149 149 149 1	Lo PR 112 119 130 138 118 125 137	112 119 130 138 118 125 137	112 119 130 138 118 125 137	119 130 138 118 125 137	138 118 125 137	118 125 137	125 137	137			146	122		142	\dashv			149	159				\dashv				172	
0.88 0.71 0.53 0.97 0.91 0.74 0.55 1.00 0.94 0.77 0.57 1.01 0.95 0.77 23 20 16 24 23 20 16 24 23 20 16 22 21 18 3.74 3.85 3.97 3.84 3.92 4.04 4.17 3.99 4.08 4.20 4.33 4.12 4.21 18 15.8 16.3 16.4 16.8 17.2 17.3 17.7 18.2 18.2 18.0 19.1 316 335 360 380 396 376 405 428 446 477 473 128 139 136 132 141 153 163 135 149 405 428 446 473 473	MBh 43.6 44.6 47.6 50.9 42.6 43.6 46.5 4	43.6 44.6 47.6 50.9 42.6 43.6 46.5	43.6 44.6 47.6 50.9 42.6 43.6 46.5	44.6 47.6 50.9 42.6 43.6 46.5	47.6 50.9 42.6 43.6 46.5	50.9 42.6 43.6 46.5	43.6 46.5	46.5	2	7 1	49.7	41.6			9	9	5	3	ш				Н		2		41.7	
23 20 16 24 23 20 16 24 23 20 16 24 23 20 16 22 21 18 3.74 3.85 3.97 3.84 3.92 4.04 4.17 3.99 4.08 4.20 4.33 4.12 4.21 4.34 15.8 16.3 16.4 16.8 17.2 17.8 17.7 18.2 18.2 18.6 19.1 316 33 360 380 396 376 405 428 446 477 473 128 139 148 126 134 146 156 132 141 153 163 137 145 159	S/T 0.88 0.83 0.67 0.50 0.91 0.86 0.70 0.00	0.88 0.83 0.67 0.50 0.91 0.86 0.70	0.83 0.67 0.50 0.91 0.86 0.70	0.83 0.67 0.50 0.91 0.86 0.70	0.67 0.50 0.91 0.86 0.70	0.91 0.86 0.70	0.86 0.70	0.70		\circ	0.52	0.94 (88		_	97			55				.57 1			77	0.58	
3.74 3.85 3.97 3.84 3.92 4.04 4.17 3.99 4.08 4.20 4.33 4.12 4.21 4.34 15.8 16.3 16.4 16.8 17.2 17.8 17.7 18.2 18.2 18.6 19.1 316 334 348 335 360 386 376 405 428 446 447 473 128 139 148 126 134 146 156 132 141 153 163 145 145 156 142 145 146 156 147 153 163 137 145 159	ΔT 24 23 20 16 24 23 20	24 23 20 16 24 23	23 20 16 24 23	20 16 24 23	16 24 23	24 23	23		20		16	24	23	20	16	24	23	20	16	24	23		\dashv				15	
15.8 16.3 16.4 16.8 17.2 17.3 17.7 18.2 18.8 18.2 18.6 19.1 316 334 348 335 360 380 396 376 405 428 446 416 447 473 128 139 148 126 134 146 156 132 141 153 163 137 145 159	1500 kW 3.23 3.30 3.39 3.49 3.46 3.53 3.64 3	kW 3.23 3.30 3.39 3.49 3.46 3.53 3.64	3.30 3.39 3.49 3.46 3.53 3.64	3.30 3.39 3.49 3.46 3.53 3.64	3.39 3.49 3.46 3.53 3.64	3.46 3.53 3.64	3.53 3.64	3.64		(1)	3.75	3.66	74	85	97	84	92		4.17	66			-				4.48	
316 334 348 335 360 380 396 376 405 428 446 416 447 473 128 139 148 126 134 146 156 132 141 153 163 137 145 159	Amps 13.6 13.9 14.2 14.7 14.5 14.8 15.2 1	13.6 13.9 14.2 14.7 14.5 14.8 15.2	13.6 13.9 14.2 14.7 14.5 14.8 15.2	13.9 14.2 14.7 14.5 14.8 15.2	14.2 14.7 14.5 14.8 15.2	14.7 14.5 14.8 15.2	14.8 15.2	15.2		\neg	15.7	15.5			\dashv	4			\dashv			7	∞		9		19.7	
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	Lo PR 109 116 127 135 115 123 134	109 116 127 135 115 123 134	109 116 127 135 115 123 134	116 127 135 115 123 134	127 135 115 123 134	115 123 134	123 134	134			143	120		139	\dashv				156				-				169	

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44.2	0.82	17	4.62	20.3	511	175	43.6	0.78	18	4.59	20.2	208	174	41.4	0.75	19	4.52	19.9	498	171
41.5	1.00	20	4.47	19.7	490	165	40.8	0.96	21	4.45	19.6	487	164	38.8	0.92	22	4.38	19.3	477	160
39.6	1.00	19	4.34	19.1	464	151	39.0	1.00	21	4.31	19.0	461	150	37.1	1.00	23	4.24	18.7	452	147
38.8	1.00	19	4.25	18.7	432	142	38.3	1.00	21	4.22	18.6	429	141	36.3	1.00	22	4.16	18.3	420	138
47.7	0.81	19	4.47	19.3	463	170	47.0	0.78	20	4.44	19.2	460	168	44.7	0.74	20	4.37	18.9	451	165
44.8	1.00	22	4.33	18.7	444	159	44.1	96.0	23	4.30	18.6	441	158	41.9	0.92	24	4.24	18.3	432	155
42.7	1.00	21	4.20	18.2	420	146	42.1	1.00	23	4.17	18.1	417	145	40.0	1.00	25	4.11	17.8	409	142
41.9	1.00	20	4.11	17.8	391	137	41.3	1.00	22	4.09	17.7	388	136	39.2	1.00	24	4.02	17.4	380	133
50.3	0.78	19	4.29	18.3	411	162	49.5	0.75	20	4.27	18.2	409	161	47.0	0.72	21	4.20	17.9	400	157
47.1	96.0	22	4.16	17.7	395	152	46.4	0.92	23	4.14	17.6	392	151	44.1	0.88	24	4.07	17.4	384	148
45.0	1.00	22	4.04	17.2	374	139	44.3	1.00	24	4.01	17.2	371	138	42.1	0.98	25	3.95	16.9	364	135
44.1	1.00	21	3.95	16.9	347	131	43.5	1.00	24	3.93	16.8	345	130	41.3	1.00	25	3.87	16.5	338	127
51.5	0.76	19	4.09	17.3	361	154	50.8	0.72	20	4.06	17.2	329	153	48.2	69.0	20	4.00	16.9	352	150
48.3	0.93	22	3.96	16.8	346	145	47.6	0.89	23	3.94	16.7	344	144	45.2	0.85	24	3.88	16.4	337	141
46.1	1.00	22	3.85	16.3	328	133	45.4	0.99	24	3.83	16.2	326	132	43.2	0.95	25	3.77	16.0	319	129
45.2	1.00	22	3.77	16.0	305	125	44.6	1.00	24	3.75	15.9	303	124	42.3	0.98	25	3.69	15.6	297	121
52.8	0.74	19	3.85	16.1	318	148	52.0	0.71	20	3.83	16.0	315	147	49.4	0.68	20	3.77	15.8	309	144
49.5	0.91	22	3.74	15.6	305	139	48.7	0.87	23	3.72	15.5	302	138	46.3	0.83	24	3.66	15.3	296	135
47.2	1.00	23	3.63	15.2	288	127	46.5	96.0	24	3.61	15.1	286	127	44.2	0.92	25	3.56	14.9	281	124
46.3	1.00	22	3.56	14.9	268	120	45.7	1.00	25	3.54	14.8	266	119	43.4	96.0	25	3.49	14.6	261	117
54.0	0.71	19	3.59	15.1	283	140	53.2	0.68	20	3.57	15.0	281	139	50.6	0.65	20	3.52	14.8	276	137
50.6	0.88	21	3.49	14.6	271	132	49.9	0.84	23	3.47	14.6	270	131	47.4	0.80	23	3.42	14.3	264	128
48.4	0.97	23	3.39	14.3	257	121	47.6	0.93	24	3.37	14.2	255	120	45.3	0.89	25	3.32	14.0	250	117
47.4	1.00	23	3.32	14.0	239	113	46.7	96.0	24	3.31	13.9	237	113	44.4	0.92	52	3.26	13.7	232	110
MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR
F			1900			Ч				1700			_				1500			
\vdash		_			_			_	_	82	_	_				_			_	
<u> </u>		_	_		_		_		_		_	_	_	_						_

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects AHRI (TVA) conditions

EXPANDED COOLING DATA — GPH1549M41A* – Low Stage

	105ºF 115ºF		71 59 63 67 71 59 63 67 71	- 29.5 30.6 33.5 - 27.3 28.3 31.0 -	- 0.87 0.73 0.50 - 0.88 0.73 0.51 -	- 17 15 11 - 16 14 11 -	- 2.69 2.74 2.83 - 2.78 2.84 2.93 -	- 11.9 12.1 12.5 - 12.5 12.7 13.1 -	- 355 382 403 - 392 422 445 -	- 137 145 159 - 141 150 164 -	- 28.6 29.7 32.5 - 26.5 27.5 30.1 -	- 0.83 0.69 0.48 - 0.84 0.70 0.48 -	- 18 16 12 - 17 15 11 -	- 2.67 2.72 2.81 - 2.75 2.81 2.90 -	- 11.8 12.0 12.4 - 12.4 12.6 13.0 -	- 351 378 399 - 388 418 441 -	- 135 144 157 - 140 149 163 -	- 26.4 27.4 30.0 - 24.5 25.4 27.8 -	- 0.80 0.67 0.46 - 0.81 0.67 0.47 -	- 18 16 12 - 17 15 11 -	- 2.60 2.66 2.74 - 2.69 2.74 2.83 -	- 11.5 11.7 12.1 - 12.1 12.3 12.7 -	
OUTDOOR AMBIENT TEMPERATURE	95ºF	ENTERING INDOOR WET BULB TEMPERATURE	59 63 67	31.0 32.2 35.2 -	0.84 0.70 0.48 -	18 15 12 -	2.58 2.64 2.72 -	11.2 11.5 11.8 -	315 339 358 -	130 139 151 -	30.1 31.2 34.2 -	- 0.80 0.67 0.46	18 16 12 -	2.56 2.62 2.70 -	11.2 11.4 11.7 -	312 336 355 -	129 137 150 -	- 27.8 28.8 31.6	0.77 0.64 0.45	19 16 12 -	2.50 2.55 2.63 -	10.9 11.1 11.4 -	
OUTDOOR AME	85ºF	ENTERING INDOOR	59 63 67 71	31.8 33.0 36.1 -	0.81 0.68 0.47 -	18 15 12 -	2.46 2.51 2.59 -	10.6 10.8 11.2 -	- 315 - 277	124 132 144 -	30.9 32.0 35.1 -	- 0.77 0.65 0.45	18 16 12 -	2.44 2.49 2.57 -	10.6 10.8 11.1 -	274 295 311 -	123 131 143 -	28.5 29.5 32.4 -	0.75 0.62 0.43 -	19 16 12 -	2.38 2.43 2.51 -	10.3 10.5 10.8 -	
	75ºF		59 63 67 71	32.6 33.8 37.0 -	0.79 0.66 0.46 -	18 15 12 -	2.32 2.37 2.44 -	9.9 10.1 10.4 -	243 262 277 -	119 127 139 -	31.6 32.8 35.9 -	0.75 0.63 0.44 -	18 16 12 -	2.30 2.35 2.42 -	9.9 10.0 10.3 -	241 259 274 -	118 126 137 -	29.2 30.3 33.2 -	0.73 0.61 0.42 -	19 16 12 -	2.25 2.30 2.37 -	9.6 9.8 10.1 -	_
	65ºF		59 63 67 71	33.4 34.6 37.9 -	0.76 0.64 0.44 -	17 15 11 -	2.16 2.21 2.27 -	9.3 9.5 9.7 -	217 233 247 -	113 120 131 -	32.4 33.6 36.8 -	0.73 0.61 0.42 -	18 16 12 -	2.15 2.19 2.26 -	9.2 9.4 9.7 -	215 231 244 -	112 119 130 -	29.9 31.0 34.0 -	0.70 0.59 0.41 -	18 16 12 -	2.10 2.14 2.20 -	9.0 9.2 9.5 -	
			IDB AIRFLOW	MBh	T/S	TΔ	1350 kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	70 1200 kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	1050 kW	Amps	

35.2 37.8 30.0 30.9 33.4 35.9 27.8 28.6 31.0 33.2	0.64 0.41 0.99 0.88 0.67 0.43 1.00 0.89 0.67 0.43	15 11 20 19 15 11 19 17 14 10	1 2.83 2.71 2.77 2.85 2.95 2.80 2.86 2.95	12.3 12.0 12.2 12.6 13.0 12.6 12.8 13.2	362 378 358 386 407 425 396 426 450 469	153 163 138 147 160 171 143 152 166 177	34.2 36.7 29.1 30.0 32.4 34.8 27.0 27.8 30.1 32.3	0.61 0.40 0.94 0.84 0.64 0.41 0.95 0.85 0.64 0.41	16 11 21 19 16 11 20 18 15 10	2.72 2.81 2.69 2.74 2.83 2.92 2.78 2.84 2.93 3.02	11.8 12.2 11.9 12.1 12.5 12.9 12.5 12.7 13.1 13.5	358 374 355 382 403 421 392 422 445 465	151 161 137 145 159 169 141 150 164 175	31.5 33.8 26.9 27.7 29.9 32.1 24.9 25.6 27.7 29.8	0.59 0.38 0.91 0.81 0.62 0.40 0.92 0.82 0.62 0.40	16 11 21 20 16 11 20 18 15 10	2.65 2.74 2.62 2.68 2.76 2.85 2.71 2.77 2.86 2.95	11.5 11.9 11.6 11.8 12.2 12.6 12.2 12.4 12.8 13.2	348 363 344 370 391 408 380 409 432 451	147 156 133 141 154 164 137 146 159 170
32.5	0.85	19	2.66	11.6	343	140	31.6	0.81	20	2.64	11.5	339	139	29.1	0.78	20	2.57	11.2	329	135
31.6	0.95	20	-	-	319	132	30.6	0.91	21	2.58	11.2	315	130	28.3	0.88	22	2.52	11.0	306	127
38.7	0.40	1	2.69	11.6	331	155	37.6	0.38	11	2.67	11.5	328	154	34.7	0.37	11	2.61	11.2	318	149
36.1	0.62	15	2.61		318	146	35.0	0.60	16	2.59	11.2	315	144	32.3	0.57	16	2.53	10.9	305	140
33.3	0.82	19	2.53	10.9	301	133	32.3	0.79	19	2.51	10.9	298	132	29.9	0.76	20	2.45	10.6	289	128
32.4	0.92	20	2.48	10.7	280	125	31.4	0.88	21	2.46	10.6	277	124	29.0	0.85	22	2.40	10.4	269	120
39.6	0.39	11	2.54	10.8	291	149	38.5	0.37	11	2.52	10.7	289	148	35.5	0.36	11	2.46	10.5	280	143
36.9	0.61	15	2.46	10.5	279	140	35.9	0.58	16	2.44	10.4	277	139	33.1	0.56	16	2.38	10.2	268	135
34.1	0.80	19	2.39		265	128	33.1	0.77	19	2.37	10.1	262	127	30.6	0.74	20	2.31	6.6	254	123
33.1	06.0	70	١,,	-	246	121	32.2	0.86	21	2.32	6.6	243	119	29.7	0.83	22	2.27	6.6	236	116
40.6	0.38	10	2.36	10.1	260	141	39.4	0.36	11	2.34	10.0	257	140	36.4	0.35	11	2.29	8.6	249	136
37.8	0.59	15	- 1	- 1	249	133	36.7	0.56	16	2.27	9.7	247	131	33.9	0.54	16	2.22	9.5	239	127
34.9	0.78	18	1.		236	121	33.9	0.74	19	2.21	9.5	233	120	31.3	0.71	20	2.16	9.3	226	117
33.9	0.87	70	2.18	+	219	114	32.9	0.83	21	2.16	9.3	217	113	30.4	0.80	21	2.11	9.1	210	110
MBh	S/T	ΔT	ā N	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR
			1350	1330						1200							1050			
							_			75										

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects ACCA (TVA) conditions

EXPANDED COOLING DATA — GPH1549M41A* - LOW STAGE (CONT.)

											OUT	DOOR	AMBIEN	OUTDOOR AMBIENT TEMPERATURE	ERATUR	E E									
			4 <u>-</u> 59				75ºF		-		85≗F	L			95º₽	L.			105≗F	ЬF			115ºF	L	
+										ū	ENTERING INDOOR WET	G INDO	OR WE		BULB TEMPERATURE	ATURE									
AIRFLOW	277	29 6	(3	29	71	29	63	29	71	29	63	29	71	29	63	29	71	29	63	29	71	29	63	29	71
MBh	ñ	34.5 35	35.3 3	37.7	40.3	33.7	34.5	36.8	39.4	32.9	33.6	35.9	38.4	32.1	32.8	35.1	37.5	30.5	31.2	33.3	35.6	28.3	28.9	30.9	33.0
S/T	0	0.95 0.	0.89 0	0.73 (0.54	1.00	0.93 (0.75 (0.56	1.00	0.95	0.77	0.58	1.00	1.00	0.80	09.0	1.00	1.00	0.83	0.62	1.00	1.00	0.83	0.62
ΔT	' '	22 2	21	19	15	23	22	19	15	22	22	19	15	22	22	19	15	21	21	19	15	19	20	18	14
kW	2	2.20 2.	2.24 2	2.31	2.38	2.36	2.41	2.48	2.56	2.50	2.55	2.63	2.71	2.62	2.68	2.76	2.85	2.73	2.79	2.88	2.97	2.82	2.88	2.98	3.07
Amps	S	9.5	9.6	6.6	10.2	10.1	10.3	10.6	10.9	10.8	11.0	11.3	11.7	11.4	11.7	12.0	12.4	12.0	12.3	12.7	13.1	12.7	12.9	13.3	13.8
Hi PR	2	221 2.	238 2	252	262	248	267	282	294	282	304	321	335	322	346	366	381	362	390	411	429	400	430	454	474
Lo PR	П	115 1	123 1	134	143	122	130	142	151	127	135	147	157	133	142	155	165	139	148	162	172	144	153	168	178
MBh	33	33.5 34	34.3 3	36.6	39.1	32.7	33.5	35.8	38.2	32.0	32.7	34.9	37.3	31.2	31.9	34.1	36.4	29.6	30.3	32.3	34.6	27.4	28.0	30.0	32.0
S/T	0.	0.91 0.	0.85 0	0.69	0.52	0.94	0.88 (0.72	0.54	96.0	0.90	0.74	0.55	1.00	0.93	92.0	0.57	1.00	0.97	0.79	0.59	1.00	0.98	0.80	0.59
ΔT		23 2	22	19	16	24	23	20	16	24	23	20	16	24	23	20	16	23	22	20	16	21	21	18	15
kW	2	2.18 2.	2.22 2	2.29	2.36	2.34	2.39	2.46	2.54	2.48	2.53	2.61	2.69	2.60	2.66	2.74	2.83	2.71	2.77	2.85	2.95	2.80	2.86	2.95	3.05
Amps	_	9.4	9.6	9.8	10.1	10.0	10.2	10.5	10.8	10.7	10.9	11.2	11.6	11.3	11.6	11.9	12.3	12.0	12.2	12.6	13.0	12.6	12.8	13.2	13.6
Hi PR	2	219 2	236 2	249	260	246	265	279	291	280	301	318	332	319	343	362	378	358	386	407	425	396	426	450	469
Lo PR	_	114 1	122 1	133	141	121	128	140	149	125	133	146	155	132	140	153	163	138	147	160	171	143	152	166	177
MBh	ñ	30.9	31.6 3	33.8	36.1	30.2	30.9	33.0	35.3	29.5	30.2	32.2	34.4	28.8	29.4	31.4	33.6	27.3	27.9	29.9	31.9	25.3	25.9	27.7	29.6
S/T	0	0.88 0.	0.82 0	0.67	0.50	0.91	0.85 (0.69	0.52	0.93	0.87	0.71	0.53	96.0	0.90	0.73	0.55	1.00	0.93	0.76	0.57	1.00 (0.94	0.77	0.57
ΔT	,,	24 2	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	24	23	20	16	22	21	19	15
kW	2.	2.13 2.	2.17 2	2.24	2.31	2.28	2.33	2.40	2.48	2.42	2.47	2.55	2.63	2.54	2.59	2.68	2.76	2.64	2.70	2.78	2.87	2.73	2.79	2.88	2.97
Amps	υı	9.2	9.4	9.6	6.6	8.6	10.0	10.2	10.6	10.5	10.7	11.0	11.3	11.1	11.3	11.6	12.0	11.7	11.9	12.3	12.7	12.3	12.5	12.9	13.3
Hi PR	7	213 2	229 2	242	252	239	257	271	283	271	292	308	322	309	333	351	366	348	374	395	412	384	413	436	455
Lo PR	_	111 1	118 1	129	137	117	125	136	145	122	129	141	150	128	136	148	158	134	142	156	166	139	147	161	171

29.3 30.7 32.8	1.00 1.00 0.81	20 21	2.91 3.00 3.10	13.0 13.4 13.9	435 459 479	155 169	28.5 29.8 31.8	1.00 0.95 0.77	22 22	2.88 2.98 3.07	12.9 13.3	430 454 474	153 168	26.3 27.5 29.4	1.00 0.92 0.74	23 22	2.81 2.90 3.00	12.6 13.0 13.4	417 441 460	149 162	
28.8	1.00	20	2.84	12.8	404	146	27.9	1.00	21	2.82	12.7	400	144	25.8	1.00	23	2.75	12.4	388	140	
35.4	0.80	19	3.00	13.2	433	174	34.3	0.77	20	2.97	13.1	429	172	31.7	0.74	20	2.90	12.8	416	167	
33.2	0.99	22	2.90	12.8	415	164	32.2	0.94	23	2.88	12.7	411	162	29.7	0.91	24	2.81	12.4	399	157	
31.7	1.00	22	2.81	12.4	393	150	30.7	1.00	24	2.79	12.3	390	148	28.4	1.00	25	2.72	12.0	378	144	
31.1	1.00	21	2.75	12.1	998	141	30.1	1.00	23	2.73	12.0	362	139	27.8	1.00	24	2.66	11.8	351	135	
37.2	0.77	20	2.88	12.5	385	166	36.1	0.74	20	2.85	12.4	381	165	33.4	0.71	21	2.78	12.1	370	160	
34.9	0.95	23	2.79	12.1	369	156	33.9	0.91	24	2.76	12.0	366	155	31.3	0.88	24	2.70	11.7	355	150	
33.3	1.00	23	2.70	11.8	350	143	32.3	1.00	25	2.68	11.7	346	142	29.9	0.97	25	2.62	11.4	336	137	
32.7	1.00	22	2.64	11.5	325	134	31.7	1.00	24	2.62	11.4	322	133	29.3	1.00	56	2.56	11.2	312	129	
38.2	0.75	19	2.74	11.8	338	158	37.0	0.71	20	2.71	11.7	335	157	34.2	0.69	21	2.65	11.4	325	152	
35.8	0.92	22	2.65	11.4	324	149	34.7	0.88	23	2.63	11.3	321	147	32.1	0.85	24	2.57	11.1	311	143	
34.2	1.00	23	2.57	11.1	307	136	33.2	0.98	25	2.55	11.0	304	135	30.6	0.94	25	2.49	10.8	295	131	
33.5	1.00	23	2.52	10.9	285	128	32.5	1.00	25	2.50	10.8	282	127	30.0	0.98	26	2.44	10.6	274	123	
39.1	0.73	19	2.58	11.0	297	152	38.0	0.70	20	2.56	10.9	294	151	35.0	0.67	21	2.50	10.6	286	146	
36.6	0.90	22	2.50	10.6	285	143	35.6	0.86	23	2.48	10.6	282	142	32.8	0.83	24	2.42	10.3	274	137	
35.0	1.00	24	2.42	10.4	270	131	34.0	0.95	25	2.41	10.3	267	130	31.4	0.92	25	2.35	10.0	259	126	
34.3	1.00	23	2.38	10.2	251	123	33.3	0.99	25	2.36	10.1	248	122	30.8	0.95	26	2.30	9.8	241	118	
40.0	0.70	19	2.40	10.3	265	144	38.9	0.67	20	2.38	10.2	262	143	35.9	0.65	20	2.32	10.0	254	138	
37.5	0.87	22	2.33	10.0	254	135	36.4	0.83	23	2.31	6.6	252	134	33.6	0.80	24	2.25	9.7	244	130	
35.8	0.96	23	2.26	9.7	241	124	34.8	0.92	24	2.24	9.6	238	123	32.1	0.89	25	5 2.19	9.4	231	119	
35.1	1.00	24	2.21	9.5	224	117	34.1	0.95	25	2.20	9.2	221	115	31.5	0.92	25	2.15	9.5	215	112	
MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	TΔ	kW	Amps	Hi PR	Lo PR	MBh	S/T	TΔ	kW	Amps	Hi PR	Lo PR	
			1350							1200							1050				
										82											

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects AHRI (TVA) conditions

EXPANDED COOLING DATA — GPH1549M41A* – HIGH STAGE

											5	ITDOOR	AMBIE	OUTDOOR AMBIENT TEMPERATURE	PERATU	RE								
			9	65ºF			7.	75ºF			82	85ºF			95ºF	₽º			105ºF	9 F			115ºF	
											ENTERII	NG INDO	OOR W	ENTERING INDOOR WET BULB TEMPERATURE	TEMPE	RATURE								
AIR	AIRFLOW	59	63	67	71	29	63	29	71	59	63	6 2	71	59	63	29	71	59	63	29	71	29 (63	67 71
	MBh	44.8	46.4	50.9		43.8	45.4	49.7		42.7	44.3	48.5		41.7	43.2	47.3	-	39.6	41.0	45.0	-	36.7	38.0 4	41.7
	S/T	0.68	0.57	0.39		0.71	0.59	0.41	٠	0.72	09.0	0.42		0.75	0.62	0.43	-	0.78	0.65	0.45	- (0.78 0	0.65 0	0.45
	ΔT	19	16	12		19	16	12		19	16	12		19	16	12	-	19	16	12	-	17	15	11
1517	kW	3.05	3.12	3.22	-	3.29	3.36	3.47		3.50	3.58	3.69		3.68	3.77	3.89	-	3.84	3.93	4.06	-	3.98 4	4.07 4	4.20 -
	Amps	13.3	13.5	13.9		14.2	14.5	14.9	-	15.2	15.6	16.0		16.2	16.5	17.0	-	17.1	17.4	18.0	- 1	18.0 1	18.4 1	18.9
	Hi PR	227	244	258	,	254	274	289	ı	289	311	329	,	330	355	374		371	399	421	7 -	410 4	441 4	465 -
	Lo PR	107	114	124		113	120	131	٠	118	125	137		124	131	144	-	130	138	150	-	134 1	143 1	156
	MBh	43.5	45.1	49.4		42.5	44.0	48.3	٠	41.5	43.0	47.1		40.5	41.9	46.0	-	38.4	39.8	43.7	-	35.6 3	36.9 4	40.4
	S/T	0.65	0.54	0.38	-	0.67	0.56	0.39		0.69	0.58	0.40		0.71	09.0	0.41	-	0.74	0.62	0.43	- (0.75 0	0.62 0	0.43
	ΔT	19	17	13		20	17	13	-	20	17	13		20	17	13		19	17	13	-	18	16	12
1345	kW	3.03	3.09	3.19	٠	3.26	3.33	3.44	٠	3.47	3.55	3.66	١.	3.65	3.73	3.86		3.81	3.89	4.02	-	3.94 4	4.03 4	4.17
	Amps	13.2	13.4	13.8		14.1	14.4	14.8	٠	15.1	15.4	15.9	٠	16.0	16.4	16.9	-	16.9	17.3	17.8	- 1	17.8 1	18.2 1	18.8
	Hi PR	224	242	255		252	271	286		286	308	326		326	351	371	-	367	395	417	- -	406 4	436 4	461
	Lo PR	106	113	123		112	119	130	1	116	124	135		122	130	142		128	136	149	-	133 1	141 1	154
	MBh	40.2	41.6	45.6		39.2	40.7	44.5		38.3	39.7	43.5	٠.	37.4	38.7	42.4	-	35.5	36.8	40.3	-	32.9 3	34.1 3	37.3
	S/T	0.63	0.52	0.36	٠	0.65	0.54	0.38	-	0.67	0.56	0.39	٠	0.69	0.57	0.40	-	0.71	09.0	0.41	-	0.72 0	0.60 0	0.42
	ΔT	20	17	13		20	17	13	-	20	17	13		20	17	13	-	20	17	13	-	18	16	12
1183	kW	2.96	3.02	3.11	٠	3.18	3.25	3.36	٠	3.38	3.46	3.57	٠	3.56	3.64	3.76	-	3.71	3.79	3.92	-	.84 3	3.93 4	4.06
	Amps	12.9	13.1	13.5		13.7	14.0	14.4	-	14.8	15.1	15.5		15.6	16.0	16.4	-	16.5	16.9	17.4	- 1	17.4 1	17.8 1	18.3
	Hi PR	218	234	247	٠	244	263	278	١	278	299	316	٠	316	341	360	,	326	383	405	-	393 4	423 4	447
	Lo PR	103	109	120		109	116	126	,	113	120	131	,	119	126	138		124	132	144	,	129 1	137	149

n power	al systen	kW = Total system power unit amps (comp.+ fans)		Amps =	140	124	ons	Shaded area reflects ACCA (TVA) conditions	CA (TVA)	lects AC	area ref	Shaded	133	1771	114	T20	170	tings.	access fit	suction	Iguid &	oerature d at the l	ulb Tem neasure	IDB: Entering Indoor Dry Bulb Temperature High & low pressures are measured at the liquid & suction access fittings.	ering Ind ow press	IDB: Enta High & Ic
161	151	138	130	155	146	134	360 126	148	139	128	320 120	141	133	302	114	136	128	117	110	- 1 - 1			104	Lo PR		
471	452	428	397	426	409	387	360		363	344	320	333	319	302	281	293	280	266		261		237		Hi PR		
19.1	18.5	17.9	17.5	18.1	17.5	17.0	16.7	17.1	16.6	16.1	15.8	16.2	15.6	15.2	14.9	15.0	14.5	14.1	13.9	13.6 14.0		13.2	13.0	Amps		
4.23	4.10	3.96	3.88	4.09	3.95	3.83	3.74	3.92	3.79	3.67	3.59	3.72	3.60	3.49	3.41	3.50	3.38	3.28	3.21	3.24	3.14	3.04	2.98	kW	1183	
11	16	20	21	12	17	21	23	12	17	21	23	12	17	21	23	12	17	21	23	12	17	21	23	ΔT		
0.36	0.55	0.73	0.82	0.35	0.55	0.73	0.81	0.34	0.53	0.70	0.78	0.33	0.51	0.68	0.76	0.32	0.50	99.0	0.74	0.48 0.31	0.48	0.71 0.64	0.71	S/T		
40.0	37.3	34.4	33.4	43.2	40.2	37.2	36.1	45.4	42.3	39.1	38.0	46.6	43.4	40.1	38.9	47.7	44.5	41.1	39.9	48.8	45.5	42.0	40.8	MBh		
166	156	143	134	160	150	138	130	153	144	131	124	146	137	125	118	140	131	120	113	133	124	114	107	Lo PR		
486	466	441	410	439	421	399	371	391	375	355	330	343	329	311	289	302	289	274	254	269	258	244	227	Hi PR		
19.6	18.9	18.4	18.0	18.6	18.0	17.5	17.1	17.6	17.0	16.5	16.2	16.6	16.0	15.6	15.2	15.4	14.9	14.5	14.2	14.4	13.9	13.5	13.3	Amps		
4.35	4.20	4.07	3.98	4.20	4.06	3.93	3.84	4.02	3.89	3.77	3.68	3.82	3.69	3.58	3.50	3.58	3.47	3.36	3.29	3.32	3.12 3.22 3.32		3.05	kW	1345	75
11	16	19	21	12	17	21	22	12	17	21	23	12	17	21	23	12	17	21	23	12	17	21	22	ΔT		
0.37	0.57	92.0	0.85	0.37	0.57	0.75	0.84	0.35	0.55	0.73	0.81	0.34	0.53	0.70	62'0	0.33	0.52	0.68	0.77	0.74 0.66 0.50 0.32	0.50	99.0	0.74	S/T		
43.3	40.4	37.3	36.2	46.8	43.6	40.3	39.1	49.2	45.9	42.4	41.2	50.5	47.0	43.4	42.2	51.7	48.2	44.5	43.2	52.9	49.3	45.6	44.2	MBh		
167	157	144	135	162	152	139	131	154	145	133	125	147	138	126	119	141	133	122	114	134	126	115	108	Lo PR		
490	470	445	414	444	426	403	374	395	378	358	333	346	332	315	292	305	292	277	257	271	260	246	229	Hi PR		
19.7	19.1	18.5	18.1	18.7	18.1	17.6	17.2	17.7	17.1	16.6	16.3	16.7	16.2	15.7	15.4	15.5	15.0	14.6	14.3	14.0 14.5		13.7	13.4	Amps		
4.38	4.24	4.10	4.01	4.23	4.09	3.96	3.87	4.06	3.92	3.80	3.71	3.85	3.72	3.61	3.53	3.61	3.50	3.39	3.32	3.24 3.35		3.14	3.08	kW	1517	
10	15	19	20	11	16	20	22	11	16	20	22	11	16	20	22	11	16	20	22	11	16	20	21	ΔT		
0.39	09.0	0.80	0.89	0.38	0.60	0.79	0.88	0.37	0.58	0.76	0.85	0.36	0.56	0.74	0.82	0.35	0.54	0.72	0.80	0.34	0.52	0.69	0.77	S/T		
44.6	41.6	38.4	37.3	48.2	44.9	41.5	40.3	50.7	47.2	43.6	42.4	52.0	48.4	44.7	43.5	53.2	49.6	45.8	44.5	54.5	50.8	45.6 46.9	45.6	MBh		

EXPANDED COOLING DATA — GPH1549M41A* – HIGH STAGE (CONT.)

			71	44.3	0.56	15	4.42	19.9	495	169	43.0	0.53	16	4.38	19.7	490	167	39.7	0.51	16	4.27	19.2	476	162
	₽º		67	41.4	0.74	19	4.28	19.3	475	159	40.2	0.71	20	4.24	19.1	470	157	37.1	0.68	20	4.13	18.6	456	152
	115ºF		63	38.8	0.92	22	4.14	18.7	450	145	37.7	0.87	22	4.10	18.5	445	144	34.8	0.84	23	4.00	18.1	432	140
			29	38.0	1.00	23	4.04	18.3	418	137	36.9	0.93	23	4.01	18.1	414	135	34.0	0.90	24	3.91	17.7	401	131
			71	47.8	0.55	16	4.27	18.9	448	163	46.4	0.53	17	4.23	18.7	444	162	42.9	0.51	17	4.12	18.3	431	157
	105≗F		67	44.7	0.74	20	4.13	18.3	430	153	43.4	0.70	21	4.09	18.1	426	152	40.1	0.68	21	3.99	17.7	413	147
	105		63	41.9	0.91	23	3.99	17.7	407	141	40.7	0.87	24	3.96	17.6	403	139	37.5	0.83	24	3.86	17.2	391	135
			59	41.0	0.97	24	3.91	17.4	378	132	39.8	0.92	25	3.87	17.2	375	131	36.7	0.89	25	3.78	16.8	363	127
			71	50.4	0.53	16	4.09	17.9	399	156	48.9	0.51	17	4.06	17.7	395	154	45.1	0.49	17	3.95	17.3	383	150
RE	₽º	RATURE	67	47.1	0.71	20	3.96	17.3	382	146	45.7	89.0	21	3.92	17.1	378	145	42.2	0.65	21	3.82	16.7	367	141
OUTDOOR AMBIENT TEMPERATURE	95€	BULB TEMPERATUR	63	44.1	0.87	23	3.83	16.8	362	134	42.8	0.83	24	3.80	16.6	358	133	39.5	0.80	25	3.70	16.2	348	129
NT TEM			59	43.1	0.93	24	3.75	16.4	336	126	41.9	0.89	25	3.71	16.3	333	125	38.7	98.0	56	3.62	15.9	323	121
AMBIEI		ENTERING INDOOR WET	71	51.6	0.52	16	3.88	16.8	350	148	50.1	0.49	17	3.85	16.7	346	147	46.2	0.47	17	3.75	16.3	336	143
TDOOR	₽£	NG INDO	67	48.3	0.69	20	3.76	16.3	332	139	46.9	99.0	21	3.72	16.2	332	138	43.3	0.63	21	3.63	15.8	322	134
lo	85≗F	ENTERI	63	45.2	0.85	23	3.64	15.8	318	128	43.9	0.81	24	3.61	15.7	315	126	40.5	0.78	25	3.52	15.3	305	123
			65	44.2	06.0	24	3.56	15.5	295	120	42.9	98'0	25	3.53	15.4	292	119	39.6	0.83	56	3.44	15.0	284	115
			71	52.9	0.50	16	3.65	15.6	308	143	51.3	0.48	17	3.61	15.5	305	141	47.4	0.46	17	3.52	15.1	295	137
	75ºF		29	49.5	0.67	20	3.53	15.1	295	134	48.0	0.64	21	3.50	15.0	292	133	44.3	0.62	21	3.41	14.7	283	129
	75		63	46.3	0.83	23	3.42	14.7	279	123	44.9	0.79	24	3.39	14.6	277	122	41.5	0.76	24	3.31	14.3	268	118
			29	45.3	0.88	24	3.34	14.4	260	116	44.0	0.84	22	3.32	14.3	257	114	40.6	0.81	56	3.24	14.0	249	111
			71	54.1	0.48	16	3.38	14.6	274	135	52.6	0.46	17	3.35	14.5	271	134	48.5	0.45	17	3.27	14.1	263	130
	65ºF		29	50.6	0.65	20	3.27	14.1	263	127	49.2	0.62	21	3.24	14.0	260	126	45.4	09.0	21	3.16	13.7	252	122
	9		63	47.4	0.80	23	3.17	13.8	249	116	46.0	0.76	24	3.14	13.7	246	115	42.5	0.73	24	3.07	13.3	239	112
			29	46.4	0.85	24	3.10	13.5	231	109	45.0	0.81	25	3.08	13.4	229	108	41.6	0.78	25	3.00	13.1	222	105
			row	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR
			AIRFLOW				1517							1345							1183			
			IDB								_			80	_			_					_	

			_				_			82										
			1517							1345							1183			
MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR
47.2	0.89	25	3.13	13.6	234	110	45.8	0.85	27	3.10	13.5	231	109	42.3	0.82	27	3.03	13.2	224	106
48.1	0.86	25	3.19	13.9	251	117	46.7	0.82	26	3.17	13.8	249	116	43.1	0.79	56	3.09	13.4	241	113
50.4	0.78	24	3.30	14.3	266	128	48.9	0.74	25	3.27	14.1	263	127	45.1	0.71	25	3.19	13.8	255	123
53.7	0.63	21	3.40	14.7	277	137	52.2	09.0	21	3.38	14.6	274	135	48.2	0.58	22	3.29	14.3	266	131
46.1	0.92	56	3.37	14.5	262	117	44.8	0.88	27	3.34	14.4	260	116	41.3	0.85	27	3.26	14.1	252	112
47.0	0.89	25	3.45	14.8	282	124	45.6	0.85	26	3.42	14.7	279	123	42.1	0.82	27	3.33	14.4	271	119
49.2	0.80	24	3.56	15.3	298	135	47.8	0.77	25	3.53	15.1	295	134	44.1	0.74	25	3.44	14.8	286	130
52.5	0.65	21	3.68	15.8	311	144	51.0	0.62	22	3.65	15.6	308	143	47.0	09.0	22	3.55	15.3	298	139
45.0	0.95	26	3.59	15.6	298	121	43.7	06.0	27	3.56	15.5	295	120	40.3	0.87	27	3.47	15.1	286	116
45.9	0.91	25	3.67	16.0	321	129	44.5	0.87	27	3.64	15.8	318	128	41.1	0.84	27	3.55	15.4	308	124
48.0	0.82	24	3.79	16.4	339	141	46.6	0.79	25	3.76	16.3	335	139	43.0	0.76	25	3.66	15.9	325	135
51.2	0.67	21	3.91	17.0	353	150	49.8	0.64	22	3.88	16.8	350	148	45.9	0.62	22	3.78	16.4	339	144
43.9	0.98	56	3.78	16.6	340	127	42.6	0.93	27	3.75	16.4	336	126	39.3	06.0	27	3.65	16.0	326	122
44.7	0.94	56	3.86	16.9	365	135	43.4	06.0	27	3.83	16.8	362	134	40.1	0.87	27	3.73	16.4	351	130
46.9	0.85 (24	3.99	17.4	386	148	45.5	0.81	25	3.96	17.3	382	146	42.0	0.78	26	3.86	16.9	371	142
50.0	0.69	21	4.13	18.0	402	158	48.5	0.66	22	4.09	17.9	399	156	44.8	0.63 (22	3.99	17.4	387	151
41.7	1.00 (25	3.94	17.5	382	133	40.5	0.97	27	3.91	17.4	378	132	37.4	0.93 (27	3.81	16.9	367	128
42.5	0.98	25	4.03 4	17.9	411 ,	142	41.3 4	0.93	26	3.99 4	17.7	407	141	38.1	0.90	27	3.89 4	17.3	395	136
44.5 4	0.88	24	4.16 4	18.4 1	434 4	155	43.2 4	0.84	25	4.13 4	18.3 1	430 2	153	39.9 4	0.81 C	25	4.02 4	17.8 1	417 4	149
47.5	0.72	21	4.31	19.1	453	165	46.1	0.68	22	4.27	18.9	448	163	42.6	0.66 (22	4.16	18.4	435	159
38.6 3	1.00 0	23	4.08 4	18.4 1	422 4	138 1	37.5 3	0.98 0	25	4.04	18.3 1	418 4	137 1	34.6 3	0.94 0	25	3.94 4.	17.8 1	405 4	133 1
39.4 4	0.99 0	24	.17 4	18.8	454 4	147 1	38.2 4	0.94 0.	25 2	4.14 4	18.7	450 4	145 1	35.3	0.91 0	25	.03 4.	18.2 1	436 4	141 1
41.2 44.0	0.89 0.72	22 19	4.31 4.46	19.4 20.1	480 500	160 171	40.0 42.7	85	23 20	4.28 4.42	19.3 19.9	475 495	159 169	37.0 39.4	0.82 0.66	24 20	17 4.31	18.8 19.4	461 480	154 164

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

EXPANDED COOLING DATA — GPH1560M41A* – Low Stage

March Interpretation Jane Range Range Interpretation Act of a large in the parameter o	10117	1010	2023	2027	000	-				7505			ō	JTDOOR	AMBI	ENT TEN	OUTDOOR AMBIENT TEMPERATURE	JRE			1050	֓֞֞֟֜֜֟֟֜֟֓֓֓֓֓֓֟֟			11505	
63 67 71 59 63 67 71 59 63 67 71 59 63 67 71 59 63 67 71 63 67 71 63 63 67 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63<	122/ 1250					/5ºF	/5ºF	/5ºF	/5ºF		\dashv		ENTERI	NG INDO	OOR W	ET BULE	TEMPE	RATURE			105 21	<u>.</u>	+		11521	
39.2 4.29 - 36.9 38.2 41.9 - 35.0 36.9 38.2 41.9 - 35.0 36.9 38.2 41.9 - 35.0 36.9 38.2 41.9 - 35.0 0.67 0.47 - 0.83 0.70 0.48 - 0.84 - 0.84 - 0.84 - 0.84 - 0.84 0.70 0.88 0.70 0.48 - 0.84 0.70 0.89 0.70 0.80 0.70 0.80 0.70 0.81 0.70 0.88 0.70 0.89 0.70 0.89 0.70 0.80 0.70 0.80 0.70 0.80 0.70 0.80 0.70 0.80 0.70 0.80 0.70 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80 0.80	AIRFLOW 59 63 67 71 59 63 67 71	59 63 67 71 59 63 67	63 67 71 59 63 67	67 71 59 63 67	71 59 63 67	29 63 67	63 67	63 67	- 69	71		59	63	- 67	71	29	63	- 62	71	29	63	29	Н	Н	Н	71
0.65 0.45 - 0.80 0.67 0.47 - 0.83 0.70 0.48 - 0.84 0.7 0.80 0.70 0.48 0.70 0.48 0.70 0.48 0.70 0.81 0.70 0.81 0.70 0.81 0.70 0.81 0.70 0.81 0.70 0.81 0.70 0.81 0.70 0.81 0.70 0.82 0.82 0.70 0.82 0.82 0.70 0.82 0.83 0.70 0.82 0.70 0.82 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70 0.70	MBh 39.6 41.1 45.0 - 38.7 40.1 43.9 -	39.6 41.1 45.0 - 38.7 40.1	41.1 45.0 - 38.7 40.1	41.1 45.0 - 38.7 40.1	- 38.7 40.1	40.1	40.1	40.1		-		37.8	39.2	42.9		36.9	38.2	41.9	-	35.0		39.8	- 3			5.8
15 12 18 16 12 18 15 17 14 3.25 3.35 3.43 3.42 3.53 3.48 3.56 3.67 3.60 3.68 14.4 14.9 - 15.0 15.8 - 15.8 - 16.7 - 16.7 17.1 14.1 305 322 - 15.8 - 15.8 - 16.7 - 16.7 16.7 17.1 3.68 3.69 412 - 16.7 17.1 17.1 18.9 18.9 412 - 16.7 16.7 17.1 18.1 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2 18.2	S/T 0.73 0.61 0.42 - 0.76 0.63 0.44 -	0.73 0.61 0.42 - 0.76 0.63 0.44	0.61 0.42 - 0.76 0.63 0.44	0.61 0.42 - 0.76 0.63 0.44	- 0.76 0.63 0.44	0.63 0.44	0.63 0.44	0.63 0.44	0.44			0.78	0.65	0.45	٠.	0.80		0.47	-	0.83		0.48	Н			49
3.25 3.35 - 3.48 3.56 3.67 - 3.69 3.68 14.4 14.9 - 15.0 15.3 15.8 - 15.9 16.7 16.7 16.7 17.1 305 322 - 15.6 15.8 - 15.8 - 16.7 - 16.7 17.1 128 132 - 126 134 146 - 15.8 142 - 16.7 16.7 17.1 14.1 15.2 14.1 15.4 - 16.7 16.7 16.7 17.1 17.1 17.1 17.1 17.2 - 13.2 34.0 35.0 36.0 - 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0 18.0	DT 18 15 12 - 18 15 12 -	18 15 12 - 18 15 12	15 12 - 18 15 12	12 - 18 15 12	- 18 15 12	15 12	15 12	15 12	12	-		18	15	12		18	16	12	-	18	15	12	_			.1
14.4 14.9 - 15.0 15.8 - 15.8 16.7 16.7 16.7 17.1 305 322 - 322 347 366 - 363 390 412 - 401 431 128 139 - 126 134 146 - 132 141 154 - 401 431 38.0 41.6 - 132 141 154 - 137 145 38.0 41.6 - 134.0 35.2 38.6 - 137 145 38.0 6.43 - 184.0 0.60 0.66 0.46 - 0.80 0.66 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.60	1519 KW 2.79 2.85 2.93 - 3.00 3.06 3.16 -	kW 2.79 2.85 2.93 - 3.00 3.06 3.16	2.85 2.93 - 3.00 3.06 3.16	2.85 2.93 - 3.00 3.06 3.16	- 3.00 3.06 3.16	3.06 3.16	3.06 3.16	3.06 3.16	3.16			3.18	3.25	3.35		3.34	3.42	3.53	-	3.48		3.67	Н			80
305 322 347 366 - 363 390 412 - 401 431 128 139 - 126 134 146 - 132 141 154 - 137 145 38.0 41.6 - 134 146 - 134 154 - 137 145 38.0 41.6 - 134 15.2 146 - 134 154 157 145 15.2 140 - 131 145 145 146 - 180 0.66 0.46 - 131 147 15 15.2 188 - 180 0.69 0.69 0.66 0.46 - 180 0.67 0.69 0.69 0.66 0.46 - 180 0.67 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69 0.69	Amps 12.3 12.5 12.9 - 13.1 13.4 13.8 -	12.3 12.5 12.9 - 13.1 13.4 13.8	12.3 12.5 12.9 - 13.1 13.4 13.8	12.5 12.9 - 13.1 13.4 13.8	12.9 - 13.1 13.4 13.8	13.4 13.8	13.4 13.8	13.4 13.8	13.8			14.1	14.4	14.9	-	15.0		15.8	-	15.8		16.7				9.7
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38.0 41.6 - 34.0 35.2 38.6 - 31.5 32.6 0.62 0.43 - 35.8 37.1 40.6 - 34.0 35.2 38.6 - 31.5 32.6 16 12 - 19 16 12 - 18 16 12 - 17 15 3.22 3.33 - 14.9 15.2 15.6 - 16.5 - 17 15 44.3 14.7 - 14.9 15.2 15.6 - 15.7 16.1 15.7 16.1 16.5 - 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.5 16.7 16.7 16.7	LOPR 109 116 127 - 116 123 134 -	109 116 127 - 116 123	109 116 127 - 116 123	127 - 116 123	- 116 123	123	123	123		'		120	128	139		126	134	146	-	132		154	- 1			59
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39.3 42.6 45.7 40.6 45.6 45.7 40.6 45.6 45.7 40.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 45.6 <th< td=""><td></td><td>Lo PR</td><td>Ш</td><td>118</td><td>128</td><td>137</td><td>117</td><td>124</td><td>136</td><td>144</td><td></td><td>129</td><td></td><td>150</td><td></td><td></td><td></td><td>\dashv</td><td></td><td></td><td></td><td>\dashv</td><td></td><td></td><td></td></th<>		Lo PR	Ш	118	128	137	117	124	136	144		129		150				\dashv				\dashv			
0.74 0.56 0.36 0.84 0.76 0.87 0.87 0.78 0.59 0.88 0.90 0.81 0.61 0.90 0.81 0.61 0.90 0.81 0.61 0.90 0.81 0.61 0.90 0.81 0.61 0.61 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.81 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 0.82 <th< td=""><td></td><td>MBh</td><td>39.1</td><td>40.3</td><td>43.6</td><td>46.8</td><td>38.2</td><td>39.3</td><td></td><td>Н</td><td></td><td></td><td></td><td>Н</td><td></td><td></td><td></td><td>ш</td><td></td><td></td><td></td><td>Н</td><td></td><td></td><td></td></th<>		MBh	39.1	40.3	43.6	46.8	38.2	39.3		Н				Н				ш				Н			
20 16 11 21 20 16 11 21 20 16 11 21 20 16 11 21 20 16 11 21 20 16 11 21 20 16 11 21 20 3.62 3.63 3.64 3.62 3.64 3.62 3.64 3.62 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64 3.64		S/T		0.71	0.54	0.35	0.82			_				_				_				_			
kw 2.95 3.85 3.86 3.34 3.45 3.45 3.45 3.45 3.46 3.45 3.45 3.45 3.45 3.46 3.45 3.45 3.45 3.46 3.45 3.45 3.45 3.45 3.46 3.45 3.45 3.55 3.64 3.45 3.56 3.67 3.80 3.60 3.60 3.60 3.60 3.60 3.60 3.61 3.67 3.67 3.67 3.67 3.69 3.67 3.67 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3.69 3		DT	21	20	16	11	21	20	16	11	21	20		11	22	20		\vdash				11			
13.4 13.8 14.3 14.4 14.4 14.9 15.4 15.0 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 15.3 <th< td=""><td>_</td><td></td><td></td><td>2.85</td><td>2.93</td><td>3.03</td><td>3.00</td><td></td><td></td><td>Н</td><td></td><td></td><td></td><td>Н</td><td></td><td></td><td></td><td>Н</td><td></td><td></td><td></td><td>Н</td><td></td><td></td><td>80</td></th<>	_			2.85	2.93	3.03	3.00			Н				Н				Н				Н			80
268 283 295 284 362 347 366 385 369 412 430 401 123 134 143 120 128 139 142 144 156 134 147 156 132 141 154 147 169 142 144 156 134 147 156 132 141 154 147 146 145 146 147 156 132 141 154 149 146 146 147 146 147 146 147 146 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147 147		Amps	12.3			13.3	13.2	13.4		_				-				_				—			
123 134 143 120 128 139 149 126 134 140 156 134 140 156 134 140 156 134 140 156 132 141 154 140 156 135 141 156 136 140 150 130 130 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 <td></td> <td>Hi PR</td> <td>_</td> <td>239</td> <td>252</td> <td>263</td> <td>249</td> <td>268</td> <td>283</td> <td>_</td> <td></td> <td>305</td> <td></td> <td>336</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td>		Hi PR	_	239	252	263	249	268	283	_		305		336				_				_			
36.3 39.2 42.2 34.4 35.4 48.5 41.2 33.6 34.6 37.4 40.2 31.6 37.9 37.9 35.9 35.6 38.2 36.5 36.5 36.5 37.6 37.6 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 37.9 <th< td=""><td></td><td>Lo PR</td><td>-</td><td>116</td><td>127</td><td>135</td><td>116</td><td>123</td><td>134</td><td>-</td><td></td><td>128</td><td></td><td>149</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td></th<>		Lo PR	-	116	127	135	116	123	134	-		128		149				-				-			
0.71 0.54 0.35 0.81 0.75 0.85 0.87 0.75 0.87 0.87 0.78 0.59 0.88 0.88 20 16 11 22 20 17 11 22 20 16 11 20 3.83 3.46 3.55 3.40 3.47 3.58 3.70 3.51 2.99 3.08 3.18 3.11 3.17 3.27 3.38 3.26 3.33 3.44 3.55 3.40 3.47 3.58 3.70 3.51 13.1 13.2 14.1 14.5 15.0 14.6 14.9 15.4 15.9 15.8 16.3 16.3 16.3 260 274 286 312 325 313 337 352 379 400 417 389 119 13 13 13 14 12 13 14 12 14 15 14 14 14 14 14		MBh		37.2	40.2	43.2	35.3	36.3		Н				H				Н				Н			
20 16 11 22 20 16 11 3.27 3.38 3.26 3.33 3.44 3.55 3.40 3.47 3.58 3.70 3.51 3.51 3.20 3.08 3.08 3.18 3.11 3.17 3.27 3.38 3.26 3.33 3.44 3.55 3.40 3.47 3.58 3.70 3.51 3.20 3.31 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.1 3.		S/T		69.0	0.52	0.33	0.79			\vdash				_				-				\vdash			
2.99 3.08 3.18 3.11 3.17 3.27 3.38 3.26 3.33 3.40 3.55 3.40 3.47 3.58 3.70 3.51 13.1 13.2 13.8 14.1 14.5 15.0 14.6 14.9 15.4 15.9 15.8 16.3 16.8 16.3 16.8 16.3 16.8 16.3 16.8 16.3 16.8 16.3 16.8 16.3 16.8 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16.3 16		DT	22	20	16	11	22	20	16	11	22	20		11	22	20		-				11			
13.1 13.5 13.9 13.8 14.1 14.5 15.0 14.6 14.9 15.4 15.9 15.5 15.8 16.3 16.8 16.3 16.3 260 274 286 275 296 312 325 313 337 355 371 352 379 400 417 389 119 130 139 116 124 135 144 122 130 142 151 128 136 149 159 131 133 141 130 139 141 141 141 141 141 141 141 141 141 14	1181			2.78	2.87	2.95	2.93	2.99		-		3.17		_				_				_			
260 274 286 275 296 312 325 313 337 355 371 352 379 400 417 389 119 130 139 116 124 135 144 122 130 142 151 151 128 136 149 159 133 131 1419 130 139 136 136 136 136 136 136 136 136 136 136		Amps		12.3	12.6	13.0	12.8	13.1		-				_				\vdash				\vdash			
119 130 139 116 124 135 144 122 130 142 151 128 136 149 159 133 133 Shaded area reflects ACCA (TVA) conditions		Hi PR	_	232	245	255	241	260	274	286	275	296		325				_				-			
Shaded area reflects ACCA (TVA) conditions Amps = outdoor		Lo PR	ш	113	123	131	112	119	130	139	116	124		144				Н				Н			
ttings.	ntering Ir	ndoor Dry B	3ulb Tempe	erature									Sh	aded ar	ea reflec	ts ACCA	(TVA) co	unditions					kW	= Total s	ystem p
	k low pre	ssures are r	measured	at the li	quid & s	uction a	ccess fitt	ings.													An	no = sdu	tdoor uni	t amps (comp.+

EXPANDED COOLING DATA — GPH1560M41A* - LOW STAGE (CONT.)

			71	39.2	0.60	14	3.99	18.5	485	173	38.0	0.57	15	3.96	18.3	480	171	35.1	0.55	15	3.86	17.9	465	166
	ш		29	36.6	0.80	18	3.87	17.9	465	162	35.6	92.0	19	3.83	17.7	460	160	32.8	0.74	19	3.74	17.3	446	156
	115ºF		63	34.3	1.00	21	3.74	17.3	440	148	33.3	0.94	21	3.71	17.2	436	147	30.7	0.91	22	3.62	16.8	423	143
			29	33.6	1.00	20	3.66	17.0	409	140	32.6	1.00	22	3.63	16.8	405	138	30.1	0.97	23	3.54	16.4	393	134
			71	42.3	0.59	15	3.86	17.5	439	167	41.1	0.57	16	3.83	17.4	434	165	37.9	0.55	16	3.73	17.0	421	160
	T.		29	39.6	0.79	19	3.74	17.0	421	157	38.4	92.0	20	3.70	16.8	416	155	35.5	0.73	20	3.61	16.4	404	150
	105ºF		63	37.0	1.00	22	3.62	16.5	398	143	36.0	0.93	23	3.59	16.3	394	142	33.2	0.90	23	3.50	15.9	382	138
			59	36.2	1.00	22	3.54	16.1	370	135	35.2	0.99	24	3.51	16.0	366	134	32.5	96.0	24	3.43	15.6	355	130
			71	44.5	0.57	15	3.70	16.6	390	159	43.2	0.55	16	3.67	16.4	386	158	39.9	0.53	16	3.58	16.0	374	153
Æ	ų.	ATURE	29	41.6	0.77	19	3.59	16.0	374	149	40.4	0.73	20	3.56	15.9	370	148	37.3	0.70	20	3.47	15.5	359	144
ERATUR	95ºF	BULB TEMPERATURE	63	39.0	0.94	22	3.47	15.6	354	137	37.8	06:0	23	3.45	15.4	350	136	34.9	98.0	24	3.36	15.1	340	132
OUTDOOR AMBIENT TEMPERATURE			29	38.1	1.00	23	3.40	15.2	329	129	37.0	96.0	24	3.37	15.1	326	127	34.2	0.92	25	3.29	14.7	316	124
AMBIEN		ENTERING INDOOR WET	71	45.6	0.55	15	3.52	15.6	342	152	44.3	0.53	16	3.49	15.5	339	150	40.9	0.51	16	3.40	15.1	329	146
TDOOR	T.	G INDO	29	42.7	0.74	19	3.41	15.1	328	142	41.4	0.71	20	3.38	15.0	325	141	38.2	0.68	20	3.30	14.6	315	137
ō	85ºF	NTERIN	63	40.0	0.91	22	3.30	14.7	311	130	38.8	0.87	23	3.28	14.6	308	129	35.8	0.84	23	3.20	14.2	298	125
		ш	29	39.1	1.00	24	3.23	14.4	289	123	38.0	0.93	24	3.21	14.3	286	121	35.0	0.89	24	3.13	13.9	277	118
			71	46.7	0.54	15	3.31	14.5	301	146	45.4	0.52	16	3.28	14.4	298	144	41.9	0.50	16	3.20	14.0	289	140
	Ä.		29	43.7	0.72	19	3.21	14.0	289	137	42.5	69.0	20	3.18	13.9	286	136	39.2	0.67	20	3.11	13.6	277	132
	75ºF		63	40.9	0.89	22	3.11	13.6	273	125	39.7	0.85	23	3.09	13.5	271	124	36.7	0.82	23	3.01	13.2	297	120
			59	40.1	0.95	23	3.05	13.4	254	118	38.9	06.0	24	3.02	13.3	251	117	35.9	0.87	24	2.95	12.9	244	113
			71	47.9	0.52	15	3.07	13.5	268	138	46.5	0.50	16	3.05	13.4	266	137	42.9	0.48	16	2.98	13.1	258	133
	₽º		67	44.8	0.70	19	2.98	13.1	257	130	43.5	0.67	20	2.96	13.0	255	128	40.1	0.64	20	2.89	12.7	247	124
	65ºF		63	41.9	98.0	22	2.89	12.7	244	119	40.7	0.82	23	2.87	12.6	241	118	37.5	0.79	23	2.80	12.1 12.4	234	114
			29	41.0	0.91	23	2.83	12.5	226	112	39.8	0.87	24	2.81	12.4	224	110	36.7	0.84	24	2.75	12.1	217	107
			wo.	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR
			AIRFLOW				1519							1350							1181			
			IDB	_			_					_		80	_			l		_			_	

1 41.7 42.5 44.5	S/T 0.96 0.92 0.83 0.68 0.99 0.96	ΔT 24 24 22 19 24 24 3	1519 KW 2.85 2.91 3.00 3.10 3.07 3.13 3	Amps 12.6 12.8 13.2 13.6 13.5 13.7	Hi PR 229 246 260 271 256 276	Lo PR 113 120 131 139 119 127	MBh 40.5 41.3 43.2 46.1 39.6 40.	S/T 0.91 0.88 0.80 0.65 0.95 0.9	∆T 25 25 23 20 26 25	1350 kW 2.83 2.89 2.98 3.07 3.05 3.11	Amps 12.5 12.7 13.1 13.5 13.4 13.	Hi PR 226 244 257 268 254 2 ⁻	Lo PR 112 119 130 138 118 1	MBh 37.4 38.1 39.9 42.6 36.5 3	S/T 0.88 0.85 0.77 0.62 0.91	ΔT 26 25 24 21 26	1181 KW 2.77 2.82 2.91 3.00 2.97	Amps 12.2 12.4 12.8 13.2 13.0	Hi PR 220 236 249 260 246	Lo PR 108 115 126 134 114 1
41.7 42.5	0.96 0.92 0.83 0.68 0.99 0.	24 24 22 19 24 24	2.85 2.91 3.00 3.10 3.07 3.13	12.6 12.8 13.2 13.6 13.5 13.	229 246 260 271 256	113 120 131 139 119	40.5 41.3 43.2 46.1 39.6 40	0.91 0.88 0.80 0.65 0.95 0.	25 25 23 20 26	2.83 2.89 2.98 3.07 3.05 3.	12.5 12.7 13.1 13.5 13.4	226 244 257 268 254	112 119 130 138 118	37.4 38.1 39.9 42.6 36.5	0.88 0.85 0.77 0.62 0.91	26 25 24 21	2.77 2.82 2.91 3.00	12.2 12.4 12.8 13.2 13.0	220 236 249 260 246	108 115 126 134 114
	0.92 0.83 0.68 0.99 0.	24 22 19 24 24	2.91 3.00 3.10 3.07 3.13	12.8 13.2 13.6 13.5 13.	246 260 271 256	113 120 131 139 119	41.3 43.2 46.1 39.6 40	0.88 0.80 0.65 0.95 0.	25 23 20 26	2.89 2.98 3.07 3.05 3.	12.7 13.1 13.5 13.4	244 257 268 254	119 130 138 118	38.1 39.9 42.6 36.5	0.85 0.77 0.62 0.91	25 24 21	2.82 2.91 3.00	12.4 12.8 13.2 13.0	236 249 260 246	115 126 134 114
	0.83 0.68 0.99 0.	22 19 24 24	2.91 3.00 3.10 3.07 3.13	12.8 13.2 13.6 13.5 13.	260 271 256	131 139 119	41.3 43.2 46.1 39.6 40	0.80 0.65 0.95 0.	23 20 26	2.89 2.98 3.07 3.05 3.	13.1 13.5 13.4	257 268 254	130 138 118	39.9 42.6 36.5	0.77 0.62 0.91	24 21	2.91 3.00	12.8 13.2 13.0	236 249 260 246	126 134 114
	0.68 0.99 0.	19 24 24	3.10 3.07 3.13	13.6 13.5 13.	271 256	139 119	43.2 46.1 39.6 40	0.65 0.95 0.	20 26	3.07 3.05 3.	13.5 13.4	268 254	138 118	42.6 36.5	0.62 0.91	21	3.00	13.2 13.0	260 246	134 114
- 1	0.99 0.	24 24	3.07 3.13	13.5 13.	256	119	39.6 40	0.95 0.	56	3.05 3.	13.4	254	118	36.5	0.91	_	_	13.0	246	114
47.5	Ö	24	3.13	13.			40	0		3.						56	2.97			
40.8			13	13.7	276	127	40.	0.9	25		13	5.		m	_					١٢
	- 1		3			ıl	ε.	91		٦,	9.	273	125	37.2	0.88	56	3.04	13.3	265	122
43.5	98.0	23	3.23	14.1	291	138	42.2	0.82	24	3.21	14.0	289	137	39.0	0.80	24	3.13	13.7	280	133
46.4	0.70	20	3.34	14.6	304	147	45.1	0.67	21	3.31	14.5	301	146	41.6	0.65	21	3.23	14.1	292	141
39.8	1.00	24	3.26	14.5	292	124	38.6	0.97	26	3.23	14.4	289	123	35.6	0.94	56	3.16	14.0	280	119
40.6	0.98	24	3.33	14.8	314	132	39.4	0.94	25	3.30	14.7	311	130	36.3	06.0	26	3.22	14.3	301	126
42.5	0.89	23	3.44	15.2	331	144	41.2	0.85	24	3.41	15.1	328	142	38.1	0.82	24	3.33	14.7	318	138
45.3	0.72	70	3.55	15.7	346	153	44.0	69.0	21	3.52	15.6	342	152	40.6	99.0	21	3.43	15.2	332	147
38.8	1.00	23	3.43	15.4	332	130	37.7	1.00	26	3.40	15.2	329	129	34.8	0.97	56	3.32	14.9	319	125
39.6	1.00	24	3.50	15.7	358	138	38.4	0.97	25	3.47	15.6	354	137	35.5	0.93	26	3.39	15.2	343	133
	0.92	23	3.61	16.2	378	151	40.2	0.87	24	3.59	16.0	374	149	37.1	0.84	24	3.50	15.6	363	145
44.2	0.74	20	3.73	16.7	394	161	42.9	0.71	21	3.70	16.6	390	159	39.6	0.68	21	3.61	16.2	378	154
	1.00	22	3.57	16.2	374	136	35.8	1.00	24	3.54	16.1	370	135	33.0	1.00	26	3.45	15.7	359	131
	1.00	23	3.65	16.6	402	145	36.5	1.00	25	3.62	16.5	398	143	33.7	0.97	25	3.53	16.1	386	139
	0.95	23	3.77	17.1	425	158	38.2	0.91	24	3.74	17.0	421	157	35.3	0.87	24	3.64	16.5	408	152
\dashv	0.77	20	3.89	17.7	443	169	40.8	0.74	20	3.86	17.5	439	167	37.6	0.71	21	3.76	17.1	425	162
	1.00	21	3.69	17.1	413	141	33.2	1.00	23	3.66	17.0	409	140	30.6	1.00 (24	3.57	16.5	397	135
	1.00	21	3.77	17.5	444	150	33.8	1.00	23	3.74	17.3	440	148	31.2	0.98	24	3.65	16.9	427	144
	0.96 0.78	21	3.90 4.03	18.0	469	164	35.4 37.8	0.91 0.74	22	3.87 3.99	17.9 18.5	465	162	32.7 34.9	0.88 0.71	22	3.77	17.4 18.0	451	157

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects AHRI (TVA) conditions

EXPANDED COOLING DATA — GPH1560M41A* - HIGH STAGE

		_	_	_		_	_				_			_	_		_	_		_		_	_	_
			71	١.		1	٠	٠		٠	٠			1	٠		٠	٠		1	•	1	٠	'
	115ºF		29	50.6	0.47	11	5.75	26.3	493	154	49.1	0.45	11	5.71	26.1	488	152	45.3	0.44	12	5.56	25.4	473	147
	11		63	46.2	0.68	14	5.57	25.5	467	141	44.8	0.65	15	5.53	25.3	462	139	41.4	0.63	15	5.39	24.7	448	135
			59	44.6	0.82	17	5.45	25.0	434	132	43.3	0.78	17	5.41	24.8	429	131	39.9	0.75	18	5.27	24.2	416	127
			71	-		-	-		-					-	-		-	-		-		-		
	₽º		6 9	54.6	0.47	12	5.56	25.0	446	148	53.0	0.45	12	5.52	24.8	441	147	48.9	0.43	12	5.38	24.1	428	143
	105≗F		63	49.9	0.68	15	5.39	24.2	422	136	48.4	0.65	16	5.34	24.0	418	135	44.7	0.62	16	5.21	23.4	406	131
			29	48.1	0.81	18	5.27	23.7	392	128	46.7	0.77	18	5.23	23.5	388	127	43.1	0.75	19	5.10	22.9	377	123
			71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	•	-	-	-	-	-	-
æ	ų.	ATURE	29	57.5	0.45	12	5.34	23.6	396	142	55.8	0.43	12	5.29	23.4	392	140	51.5	0.42	13	5.16	22.8	381	136
ERATUR	95≗F	FEMPER	63	52.5	0.65	16	5.17	22.9	375	130	50.9	0.62	16	5.13	22.7	372	128	47.0	09.0	16	5.01	22.2	360	125
OUTDOOR AMBIENT TEMPERATURE		ENTERING INDOOR WET BULB TEMPERATURE	29	9.09	0.78	18	5.06	22.4	349	122	49.2	0.75	19	5.02	22.2	345	121	45.4	0.72	19	4.90	21.7	335	117
AMBIEN		OR WET	71	-		-	-		-		-	-		-	-			•		-	-		-	
DOOR /	L	G INDO	29	58.9	0.44	12	5.08	22.2	348	135	57.2	0.42	12	5.03	22.1	345	134	52.8	0.40	12	4.91	21.5	334	130
OUT	85ºF	NTERIN	63	53.8	0.63	15	4.92	21.6	330	124	52.2	09.0	16	4.88	21.4	326	122	48.2	0.58	16	4.76	20.9	316	119
		ū	29	51.9	92.0	18	4.82	21.1	306	116	50.4	0.72	19	4.78	21.0	303	115	46.5	0.70	19	4.66	20.5	294	112
			71	-		-	-		-		-			-	-		-	•		-		-		,
			29	60.4	0.43	12	4.78	20.7	306	130	58.6	0.41	12	4.74	20.5	303	128	54.1	0.39	12	4.63	20.0	294	125
	75ºF		63	55.1	0.62	15	4.63	20.1	290	119	53.5	0.59	16	4.60	19.9	287	118	49.4	0.57	16	4.49	19.4	278	114
			29	53.2	0.74	18	4.54	19.7	269	112	51.6	0.70	19	4.50	19.5	267	111	47.6	0.68	19	4.40	19.0	259	107
			71	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	
	L.		29	61.8	0.41	12	4.44	19.3	273	123	0.09	0.39	12	4.41	19.1	270	122	55.4	0.38	12	4.30	18.7	262	118
	65ºF		63	56.4	0.60	15	4.31	18.8	258	112	54.8		16	4.28	18.6	256	111	50.5	0.55	16	4.18	18.2	248	108
			29	54.4	0.71	18	4.22	18.4	240	106	52.8	0.68 0.57	18	4.19	18.2	238	105	48.8	99.0	19	4.09	17.8	230	102
	_		»	MBh	S/T	DT	kW	Amps	Hi PR	Lo PR	MBh	S/T	DT	kW	Amps	Hi PR	Lo PR	MBh	S/T	DT	kW	Amps	Hi PR	Lo PR
			AIRFLOW	_	-,		2025	Ā	Ι	Ľ	_			1800	Ā	I	Ľ	_	-,		1575	4	Ι	۲
			Ц				50							—							15			_
			IDB			_								70										

			2025							75 1800							1575			_
MBh	S/T	DT	kW	Amps	Hi PR	Lo PR	MBh	S/T	DT	kW	Amps	Hi PR	Lo PR	MBh	S/T	DT	kW	Amps	Hi PR	I o PR
_	0.81	20	4.26	18.5	242	107	53.7	0.77	21	Н	18.4	240	106	49.6		22	4.13	18.0	233	103
55.3 57.0 61.7 66.2	0.73	19	4.34	18.9	261	114	, 55.3	69.0	20	4.22 4.31	18.8	258	113	51.1	0.75 0.67	20	4.21	18.3	251	100
61.7	0.55	15	4.48	19.4	275	124	55.3 59.9 64.3	0.52	16	4.44	19.3	273	123	55.3	0.50	16	4.34	18.8	265	119
66.2	0.35	11	4.62	20.1	287	132	64.3	0.34	11	4.58	19.9	284	131	59.3	0.32	11	4.47	19.4	276	127
54.1	0.84	21	4.57	19.8	272	113	52.5	08.0	21	4.54	19.7	269	112	48.4	0.77	22	4.43	19.2	261	108
55.7	0.75	19	4.67	20.2	293	120	54.0	0.72	20	4.63	20.1	290	119	49.9	69.0	20	4.52	19.6	281	115
60.2	0.57	16	4.82	20.8	309	131	58.5	0.54	16	4.78	20.7	306	130	54.0	0.52	16	4.66	20.2	297	126
64.7	0.37	11	4.97	21.5	322	140	62.8	0.35	11	4.93	21.3	319	138	57.9	0.34	11	4.81	20.8	310	13.1
52.8	98.0	21	4.86	21.3	309	117	51.2	0.82	21	4.82	21.1	306	116	47.3	0.79	22	4.70	20.6	297	113
54.3	0.77	19	4.96	21.8	333	125	52.8	0.73	20	4.92	21.6	330	124	48.7	0.71	20	4.80	21.1	320	120
58.8	0.58	16	5.12	22.4	352	136	57.1	0.56	16	5.08	22.2	348	135	52.7	0.54	16	4.95	21.7	338	131
63.1	0.38	11	5.28	23.2	367	145	61.3	0.36	11	5.24	23.0	363	144	9.95	0.35	11	5.11	22.4	352	130
51.5	0.89	21	5.10	22.6	352	123	50.0	0.85	22	5.06	22.4	349	122	46.1	0.82	22	4.94	21.9	338	118
53.0	08.0	19	5.21	23.1	379	131	51.5	92.0	20	5.17	22.9	375	130	47.5	0.73	20	5.05	22.4	364	126
57.4	09.0	16	5.38	23.8	400	143	55.7	0.57	16	5.34	23.6	396	142	51.4	0.55 (17	5.21	23.0	385	137
61.6	0.39 (11	5.56	24.6	418	152	29.8	0.37 (11	5.51	24.4	413	151	55.2	0.36	11	5.38	23.8	401	146
48.9	0.92	20	5.32	23.9	396	129	47.5	0.88	21	5.27	23.7	392	128	43.8	0.85 (22	5.14	23.1	381	124
50.4	0.83 (19	5.43	24.4	427	137	48.9	0.79	20	5.39	24.2	422	136	45.1	0.76 (20	5.25	23.6	410	132
54.5 5	0.62 0	15	5.61 5	25.2	450 2	150 1	52.9 5	0.60 0	16	5.56 5	25.0 2	446 4	148 1	48.8 5	0.57 0	16	5.42 5	24.3 2	433 2	1 1 1 1
58.5 4	0.40 0	11	5.79 5.	26.0 2	470 4	160	56.8	0.38 0	11	5.75 5	25.8 2	465 2	158 1	52.4 4	0.37 0	11	5.60 5	25.2 2	451 4	153 1
45.3 4	.93 C	19	50	25.2	438 4	134	44.0 4	0.89	20	5.45 5	25.0 2	434 2	132	40.6 4	0.86	20	5.32 5	24.4 2	421 4	128
46.6 5	0.83 C	18	5.62	25.8 2	471 4	142	45.3 4	0.79 (18	5.57 5	25.5	467 4	141	41.8 4	0.77 (19	5.43 5	24.9 2	453 4	136
50.5 54.2	0.63 0.41	14 10	5.80 6.00	26.5 27.5	498 519	155 165	49.0 52.6	0.60 0.39	15 10	5.75 5.95	26.3 27.2	493 514	154 164	45.2 48.6	0.58 0.37	15 11	5.61 5.80	25.6 26.5	478 498	1/19 159

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects ACCA (TVA) conditions

EXPANDED COOLING DATA — GPH1560M41A* - HIGH STAGE (CONT.)

L=C0
AIRFLOW 59 63 67 71 59 63 67 71
MBh 56.3 57.6 61.5 65.7 55.0 56.2 60.1 64.2
S/T 0.89 0.83 0.68 0.51 0.92 0.86 0.70 0.53
AT 23 22 19 15 23 22 19 15
KW 4.29 4.38 4.51 4.65 4.61 4.71 4.86 5.01
Amps 18.7 19.1 19.6 20.2 20.0 20.4 21.0 21.7
Hi PR 245 263 278 290 275 296 312 326
LO PR 108 115 125 133 114 121 132
MBh 54.7 55.9 59.7 63.8 53.4 54.6 58.3 62.3
S/T 0.85 0.80 0.65 0.48 0.88 0.82 0.67 0.50
ΔT 24 23 20 16 24 23 20 16
kW 4.26 4.34 4.48 4.62 4.57 4.67 4.82 4.97
Amps 18.5 18.9 19.4 20.1 19.8 20.2 20.8 21.5
Hi PR 242 261 275 287 272 293 309 322
LOPR 107 114 124 132 113 120 131 140
MBh 50.5 51.6 55.1 58.9 49.3 50.4 53.8 57.5
S/T 0.82 0.77 0.62 0.47 0.85 0.79 0.65 0.48
ΔT 24 23 20 16 24 23 20 16
kW 4.16 4.24 4.37 4.51 4.47 4.56 4.70 4.85
Amps 18.1 18.5 19.0 19.6 19.4 19.8 20.3 21.0
Hi PR 235 253 267 279 264 284 300 313
Lo PR 104 110 120 128 109 116 127 135

50.1 53.4	0.93 0.76	21 18	.90 6.10	27.0 27.9	508 530	158 169	48.6 51.9	0.89 0.72	22 19	.85 6.05	26.8 27.7	503 524	157 167	44.9 47.9	0.86 0.70	22 19	5.70 5.89	26.1 27.0	488 509	152 162	
∞	1.00 0	22	71 5.	2	481 5	145 1	46.4 4	0.98 0	23 2	5	26.0 2	476 5	144 1	6	0.95 0	24	52 5	ε.	462 4	139 1	
.9 47.	1.00 1.	21 2	59 5.	25.6 26.	447 48	136 14	45.6 46	1.00 0.	23 2	5.54 5.67	4	442 47	135 1	.0 42	.0 86	24 2	41 5.	.8 25	429 4(131 13	
57.7 46.	0.75 1.	20 2	.89 5.	26.5 25	479 4	163 13	56.0 45	0.72 1.	20 2	.84 5.	.3 25.	475 4	161 13	.7 42.	.0 69	21 2	70 5.	.6 24	460 42	156 13	
54.1 57	0.92 0.	23 2	5.70 5.	25.6 26	460 4	153 10	52.5 56	0.88 0.	24 2	5.65 5.	5.4 26.	455 47	151 16	48.5 51.	0.85 0.	24 2	5.51 5.	24.8 25.	441 4(147 1	
51.6 5	1.00 0.	23 2	52	24.9 25	435 4	140 1	50.1 5	0.98 0.	25 2	5.48 5.	24.6 25.	431 4	139 1	46.3 48	94	25 2	5.34 5.	24.0 24	418 4	135 1	
50.7 5	1.00 1.	23 2	40 5	24.3 2	404 4	132 1	49.2 50	1.00 0.	25 2	5.36 5.	24.1 24	400 4	130 1	45.4 4(0.98 0.	26 2	5.23 5.	23.5 2	388 4	127 1	
60.7 50	0.72 1	20 2	5.65 5.	25.0 2	426 4	155 1	59.0 4	0.69	21 2	5.61 5.	24.8 2,	422 4	154 1	54.4 4!	0.66 0.	21 2	5.47 5	24.2 2.	409 3	149 1	
56.9	0.89	23 2	47	24.2 2	408 4	146 1	55.3 5	0.85 0	24 2	5.43 5.	24.0 2	404 4	145 1	51.0 5	0.82	24	5.29 5	23.4 2.	392 4	140 1	
54.3 5	0.99 0	24	5.30 5.	23.5 2	387 4	134 1	52.8 5	0.94 0	25	5.26 5	23.3 2	383 4	132 1	48.7 5	0.91 0	26	5.13 5	22.7 2	371 3	128 1	
53.3 5	1.00 C	24	5.19 5	23.0 2	359	126	51.8	0.98	26	5.15 5	22.8 2	356	124 1	47.8 4	0.94 C	26	5.02	22.2	345	121	
62.2	0.70	20	5.37	23.6	374	148	60.4	0.67 (21	5.33	23.4 2	370	147	55.8	0.64 (21	5.20	22.8	359	142	
58.3	0.86	23	5.20	22.8	359	139	9.99	0.82	24	5.16	22.6	355	138	52.3	0.79	24	5.03	22.0	344	133	
55.7	96.0	24	5.04	22.1	340	127	54.1	0.91	25	5.00	22.0	336	126	49.9	0.88	56	4.88	21.4	326	122	
54.6	0.99	25	4.93	21.7	316	120	53.1	0.94	26	4.90	21.5	312	118	49.0	0.91	26	4.78	21.0	303	115	
63.8	0.68	20	5.05	21.9	329	142	61.9	0.65	21	5.01	21.7	326	141	57.1	0.63	21	4.89	21.2	316	137	
59.8	0.84	23	4.90	21.2	315	134	58.0	08.0	24	4.86	21.0	312	132	53.6	0.77	24	4.74	20.5	303	128	
57.1	0.93	24	4.75	20.6	299	122	55.4	0.89	25	4.71	20.4	296	121	51.1	0.86	56	4.60	19.9	287	118	
56.0	0.97	25	4.65	20.1	277	115	54.4	0.92	56	4.61	20.0	275	114	50.2	0.89	56	4.50	19.5	266	111	
65.3	99.0	20	4.69	20.4	293	135	63.4	0.63	20	4.65	20.2	290	133	58.5	0.61	21	4.54	19.8	281	129	
61.2	0.81	23	4.55	19.8	281	127	59.4	0.77	23	4.51	19.6	278	125	54.8	0.75	24	4.41	19.1	270	122	
58.4	0.90	24	4.41	19.2	266	116	26.7	0.86	25	4.38	19.1	263	115	52.4	0.83	25	4.28	18.6	256	111	
57.3	0.93	24	4.32	18.8	247	109	55.6	0.89	22	4.29	18.7	242	108	51.4	0.86	56	4.19	18.2	237	105	
MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	MBh	S/T	ΔT	kW	Amps	Hi PR	Lo PR	
!			2025			_				1800				Π			1575			_	
			_					_		75				_		_	_	_			

kW = Total system power Amps = outdoor unit amps (comp.+ fans)

Shaded area reflects AHRI (TVA) conditions

AIRFLOW DATA

Money	Motor		a.=a		,	,	E.S.P (IN	. OF H ₂ O)			
MODEL	TAP SPEED	V	OLTS	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
	T1 (G)	230	CFM	882	808	727	649	545			
	11 (G)	230	Watts	82	86	92	102	108			
GPH15	T2 / T3 (W2)	230	CFM	933	873	810	733	637	584		
24M41A*	12 / 13 (W2)	230	Watts	93	103	109	120	126	135		
	T4 / T5 (Y)	230	CFM	1058	1012	945	896	816	723	672	
	147 13 (1)	230	Watts	124	136	142	153	168	172	179	
	T1 (G)	230	CFM	893	824	752	665	575			
	11 (G)	230	Watts	87	95	101	111	115			
GPH15	T2 / T3 (W2)	230	CFM	1132	1070	1011	959	889	827	733	669
30M41A*	12 / 13 (W2)	230	Watts	153	162	168	179	184	195	206	208
	T4 / T5 (Y)	230	CFM	1287	1236	1165	1123	1066	1012	958	857
	14 / 15 (1)	230	Watts	211	217	228	239	244	255	265	272
	T1 (G)	230	CFM	852	764	711	592	545	-	-	-
	11 (G)	230	Watts	80	82	86	95	99	-	-	-
GPH15	T2 / T3 (W2)	230	CFM	1232	1190	1131	1082	1023	966	889	819
36M41A*	12 / 13 (VV2)	230	Watts	202	214	221	229	235	246	258	264
	T4 / T5 (Y)	230	CFM	1267	1213	1162	1120	1058	1009	932	841
	14 / 13 (1)	230	Watts	218	226	236	245	247	260	272	275
	T1 (G)	230	CFM	893	830	741	619	557			
	11 (G)	230	Watts	89	99	104	117	131			
GPH15	T2 / T2 /\\/2\	230	CFM	1393	1339	1297	1230	1180	1116	1056	901
42M41A*	T2 / T3 (W2)	230	Watts	271	280	292	300	310	320	324	329
	T4 / TE (V)	230	CFM	1511	1464	1422	1355	1313	1184	1064	983
	T4 / T5 (Y)	230	Watts	345	354	364	381	390	392	375	360

G = Fan only

W2 = Heat mode

Y = Cooling mode

• Data shown is dry coil. Wet coil pressure drop is approximately 0.1" H2O, for two-row indoor coil; 0.2" H2O, for three-row indoor coil; and 0.3" H2O, for four-row indoor coil.

- Data shown does not include filter pressure drop, approx. 0.08" H2O.
- ALL MODELS SHOULD RUN NO LESS THAN 350 CFM/TON. USE HIGHER SPEED TAP OR NEXT SIZE LARGER BLOWER ASM. See Repair Parts list.
- Reduce airflow by 2% for 208-volt operation.

AIRFLOW DATA (CONT.)

Mossi	Motor	14					E.S.P (IN	. OF H ₂ O)			
MODEL	TAP SPEED	V	OLTS	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8
	T1 (C)	220	CFM	1199	1138	1085	1017	957	889	820	755
	T1 (G)	230	Watts	162	173	185	193	211	219	232	245
GPH15	T2 / T2 /\M2\	230	CFM	1359	1322	1262	1214	1165	1119	1080	1039
43M41A*	T2 / T3 (W2)	230	Watts	200	214	218	233	243	254	267	283
	T4 / T5 (HS)	230	CFM	1598	1559	1525	1483	1441	1398	1353	1314
	14 / 15 (113)	230	Watts	332	343	360	365	384	385	404	414
	T1 (C)	230	CFM	1199	1138	1085	1017	957	889	820	755
	T1 (G)	230	Watts	162	173	185	193	211	219	232	245
GPH15	T2 / T2 /\\/2\	230	CFM	1799	1745	1698	1658	1610	1560	1522	1450
48M41A	T2 / T3 (W2)	230	Watts	480	493	508	521	531	545	550	547
	T4 / T5 (Y)	230	CFM	1921	1865	1818	1780	1719	1667	1579	1483
	14 / 15 (1)	230	Watts	582	585	602	625	627	621	595	569
	T1 (C)	230	CFM	1199	1138	1085	1017	957	889	820	755
	11 (G)	230	Watts	162	173	185	193	211	219	232	245
	T2 (Y)	220	CFM	1418	1383	1349	1312	1275	1228	1178	1141
	12 (1)	230	Watts	242	258	273	282	299	308	320	338
GPH15	T3 (W2)	230	CFM	1799	1745	1698	1658	1610	1560	1522	1450
49M41A*	13 (WZ)	230	Watts	480	493	508	521	531	545	550	547
	T4 (YHS)	230	CFM	1799	1745	1698	1658	1610	1560	1522	1450
	14 (1113)	230	Watts	480	493	508	521	531	545	550	547
	T5 (W2HS)	230	CFM	1921	1865	1818	1780	1719	1667	1579	1483
	15 (WZH3)	230	Watts	582	585	602	625	627	621	595	569
	T1 (G)	230	CFM	1390	1325	1282	1223	1180	1134	1066	1011
			Watts	231	240	253	262	277	292	300	316
GPH15	T2 / T3 (W2)	230	CFM	1900	1843	1801	1762	1723	1672	1577	1482
60M41A			Watts	543	559	569	583	600	603	577	554
	T4 / T5 Y	230	CFM	2094	2039	1981	1907	1819	1731	1628	1497
			Watts	724	727	720	701	671	653	611	569

G = Fan only

W2 = Heat mode

Y = Cooling mode

Notes

- Data shown does not include filter pressure drop, approx. 0.08" H2O.
- ALL MODELS SHOULD RUN NO LESS THAN 350 CFM/TON. USE HIGHER SPEED TAP OR NEXT SIZE LARGER BLOWER ASM. See Repair Parts list.
- Reduce airflow by 2% for 208-volt operation.

[•] Data shown is dry coil. Wet coil pressure drop is approximately 0.1" H2O, for two-row indoor coil; 0.2" H2O, for three-row indoor coil; and 0.3" H2O, for four-row indoor coil.

EXPANDED HEATING DATA

GPH1524M41A*

							(OUTDOO	R AMBIE	NT TEM	PERATUR	E						
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	29.4	27.8	26.2	24.5	23.4	22.7	21.1	19.4	15.6	14.4	13.2	12.5	12.0	10.8	9.6	8.4	7.1	5.8
ΔΤ	31.7	30.0	28.2	26.4	25.2	24.4	22.7	20.9	16.8	15.5	14.3	13.5	13.0	11.6	10.3	9.0	7.7	6.3
kW	2.08	2.04	2.00	1.96	1.94	1.92	1.88	1.84	1.81	1.77	1.73	1.71	1.69	1.65	1.61	1.57	1.53	1.49
Amps	10.8	10.2	9.6	9.2	8.9	8.8	8.4	8.0	7.8	7.5	7.2	7.1	7.0	6.8	6.4	6.2	5.8	5.4
COP	4.14	4.00	3.84	3.66	3.54	3.46	3.28	3.09	2.52	2.38	2.24	2.15	2.09	1.92	1.74	1.56	1.36	1.15
EER	14.2	13.7	13.1	12.5	12.1	11.8	11.2	10.6	8.6	8.1	7.7	7.3	7.1	6.6	6.0	5.3	4.7	3.9
HI PR	388	372	358	342	334	328	315	302	290	277	266	259	255	245	235	226	218	210
LO PR	145	134	126	115	109	105	96	86	77	69	61	57	55	46	40	34	29	23

GPH1530M41A*

							(DUTDOO	R AMBIE	NT TEME	PERATUR	E						
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	34.4	32.6	30.7	28.7	27.4	26.6	24.7	22.7	18.8	17.4	16.0	15.1	14.5	13.0	11.6	10.1	8.6	7.1
ΔΤ	31.9	30.2	28.4	26.6	25.4	24.6	22.8	21.1	17.4	16.1	14.8	14.0	13.5	12.1	10.7	9.3	8.0	6.5
kW	2.31	2.27	2.22	2.18	2.15	2.13	2.09	2.04	2.08	2.03	1.98	1.95	1.93	1.89	1.84	1.79	1.74	1.69
Amps	11.4	10.7	10.0	9.5	9.2	9.0	8.5	8.2	7.8	7.5	7.2	7.1	7.0	6.7	6.3	6.0	5.6	5.1
COP	4.36	4.21	4.04	3.86	3.73	3.65	3.46	3.26	2.65	2.51	2.36	2.26	2.20	2.03	1.84	1.65	1.45	1.22
EER	14.9	14.4	13.8	13.2	12.8	12.5	11.8	11.2	9.1	8.6	8.1	7.7	7.5	6.9	6.3	5.6	4.9	4.2
HI PR	383	368	353	338	330	324	311	299	286	273	262	256	251	242	233	223	215	208
LO PR	138	128	120	110	104	100	92	82	74	66	58	54	52	44	38	32	28	22

GPH1536M41A*

							(ООДТОО	R АМВІЕ	NT TEM	PERATUR	E						
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	44.6	42.2	39.8	37.2	35.5	34.4	32.0	29.5	23.2	21.4	19.7	18.6	17.9	16.1	14.3	12.4	10.6	8.7
ΔΤ	34.4	32.6	30.7	28.7	27.4	26.5	24.7	22.7	17.9	16.5	15.2	14.4	13.8	12.4	11.0	9.6	8.2	6.7
kW	3.24	3.18	3.11	3.05	3.01	2.98	2.92	2.85	2.43	2.37	2.32	2.29	2.26	2.21	2.15	2.10	2.04	1.99
Amps	17.4	16.2	15.3	14.5	14.1	13.9	13.2	12.6	12.2	11.7	11.3	11.1	10.9	10.5	9.9	9.5	8.9	8.3
COP	4.03	3.89	3.74	3.57	3.45	3.38	3.21	3.02	2.80	2.64	2.49	2.38	2.32	2.13	1.94	1.73	1.52	1.28
EER	13.8	13.3	12.8	12.2	11.8	11.5	11.0	10.3	9.6	9.0	8.5	8.1	7.9	7.3	6.6	5.9	5.2	4.4
HI PR	454	435	418	400	390	383	368	353	338	323	310	303	297	286	275	264	254	245
LO PR	137	127	119	109	103	99	91	81	73	65	57	53	52	44	38	32	28	22

GPH1542M41A* Low Stage

							(OODTU	R АМВІЕ	NT TEMI	PERATUR	E						
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	33.3	31.5	29.7	27.7	26.5	25.7	23.9	22.0	16.2	15.0	13.8	13.0	12.5	11.2	10.0	8.7	7.4	6.1
ΔΤ	36.3	34.4	32.3	30.2	28.9	28.0	26.0	24.0	17.6	16.3	15.0	14.2	13.6	12.2	10.8	9.5	8.1	6.6
kW	2.48	2.43	2.38	2.33	2.30	2.28	2.23	2.18	2.19	2.13	2.08	2.05	2.03	1.97	1.92	1.87	1.82	1.76
Amps	12.5	11.6	10.9	10.3	9.9	9.7	9.2	8.8	8.4	8.1	7.7	7.5	7.4	7.1	6.6	6.3	5.8	5.3
COP	3.92	3.79	3.65	3.49	3.37	3.30	3.13	2.96	2.17	2.05	1.94	1.86	1.81	1.67	1.52	1.36	1.19	1.01
EER	13.4	13.0	12.5	11.9	11.5	11.3	10.7	10.1	7.4	7.0	6.6	6.3	6.2	5.7	5.2	4.6	4.1	3.4
HI PR	395	379	364	348	340	334	321	308	295	282	270	264	259	249	240	230	222	214
LO PR	143	133	125	114	108	104	96	85	77	69	60	56	54	46	39	33	29	23

Notes:

Above information is for nominal CFM and 70-degree indoor dry bulb. Instantaneous capacity listed.

High pressure is measured at the liquid line access fitting. Low pressure is measured at the compressor suction access fitting. Amps: Unit amps (comp.+ evaporator motor + condenser fan motor) kW = Total system power

Expanded Heating Data (cont.)

GPH1542M41A* High Stage

							(OUTDOO	R AMBIE	NT TEM	PERATUR	E						
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	50.3	47.6	44.8	41.9	40.0	38.8	36.0	33.2	24.9	23.0	21.2	20.0	19.3	17.3	15.3	13.4	11.4	9.3
ΔΤ	37.2	35.3	33.2	31.0	29.6	28.7	26.7	24.6	18.5	17.0	15.7	14.8	14.3	12.8	11.3	9.9	8.4	6.9
kW	3.42	3.35	3.28	3.21	3.17	3.14	3.07	3.00	2.89	2.82	2.75	2.71	2.68	2.61	2.55	2.48	2.41	2.35
Amps	16.8	15.6	14.7	13.9	13.4	13.2	12.5	11.9	11.4	10.9	10.5	10.2	10.1	9.7	9.1	8.6	8.0	7.3
COP	4.31	4.16	4.00	3.82	3.70	3.61	3.43	3.24	2.53	2.39	2.25	2.16	2.10	1.93	1.76	1.58	1.38	1.16
EER	14.7	14.2	13.7	13.1	12.6	12.3	11.7	11.1	8.6	8.2	7.7	7.4	7.2	6.6	6.0	5.4	4.7	4.0
HI PR	402	385	371	354	346	339	326	313	300	286	275	268	264	254	244	234	226	218
LO PR	135	126	118	108	102	98	90	80	73	65	57	53	51	43	37	31	27	22

GPH1543M41A*

							(OUTDOO	R AMBIE	NT TEM	PERATUR	E						
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	50.2	47.5	44.7	41.8	39.9	38.7	35.9	33.1	23.2	21.4	19.7	18.6	17.9	16.1	14.3	12.4	10.6	8.7
ΔΤ	38.7	36.6	34.5	32.2	30.8	29.8	27.7	25.6	17.9	16.5	15.2	14.4	13.8	12.4	11.0	9.6	8.2	6.7
kW	3.45	3.38	3.31	3.24	3.20	3.17	3.10	3.03	2.43	2.37	2.32	2.29	2.26	2.21	2.15	2.10	2.04	1.99
Amps	18.5	17.3	16.3	15.5	15.0	14.8	14.0	13.4	12.9	12.5	12.0	11.7	11.6	11.1	10.5	10.0	9.4	8.7
COP	4.25	4.11	3.95	3.77	3.65	3.57	3.39	3.20	2.80	2.64	2.49	2.38	2.32	2.13	1.94	1.73	1.52	1.28
EER	14.5	14.0	13.5	12.9	12.5	12.2	11.6	10.9	9.6	9.0	8.5	8.1	7.9	7.3	6.6	5.9	5.2	4.4
HI PR	413	395	380	364	355	348	335	321	308	294	282	275	271	260	250	240	231	223
LO PR	143	133	125	114	108	104	96	85	77	69	60	56	54	46	39	33	29	23

GPH1548M4 LA* Low Stage

							(Оодти	R AMBIE	NT TEM	PERATUR	E						
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	40.0	37.8	35.6	33.3	31.8	30.8	28.6	26.4	21.8	20.1	18.5	17.5	16.9	15.1	13.4	11.7	10.0	8.2
ΔΤ	30.8	29.2	27.5	25.7	24.5	23.8	22.1	20.4	16.8	15.5	14.3	13.5	13.0	11.7	10.3	9.0	7.7	6.3
kW	3.04	2.98	2.92	2.86	2.83	2.80	2.74	2.69	2.81	2.74	2.68	2.64	2.62	2.55	2.49	2.43	2.36	2.30
Amps	11.5	10.8	10.2	9.7	9.4	9.3	8.8	8.5	8.2	7.9	7.6	7.5	7.4	7.1	6.8	6.5	6.1	5.7
COP	3.85	3.72	3.57	3.41	3.29	3.22	3.05	2.88	2.27	2.15	2.02	1.94	1.88	1.73	1.58	1.41	1.24	1.04
EER	13.1	12.7	12.2	11.6	11.2	11.0	10.4	9.8	7.8	7.3	6.9	6.6	6.4	5.9	5.4	4.8	4.2	3.6
HI PR	395	379	364	348	340	334	321	308	295	282	270	264	259	249	240	230	222	214
LO PR	139	129	121	111	105	101	93	83	75	67	59	54	52	44	38	32	28	22

GPH1548M41A* High Stage

							(OUTDOO	R AMBIE	NT TEMF	PERATUR	E						
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	57.4	54.3	51.1	47.8	45.7	44.2	41.1	37.9	30.7	28.3	26.1	24.6	23.7	21.3	18.8	16.4	14.0	11.5
ΔΤ	31.3	29.6	27.8	26.0	24.9	24.1	22.4	20.6	16.7	15.4	14.2	13.4	12.9	11.6	10.3	9.0	7.6	6.3
kW	4.20	4.12	4.04	3.96	3.92	3.88	3.81	3.73	3.66	3.58	3.50	3.45	3.42	3.34	3.26	3.19	3.11	3.03
Amps	20.6	19.2	18.2	17.2	16.7	16.4	15.6	15.0	14.4	13.9	13.3	13.1	12.9	12.4	11.7	11.2	10.5	9.7
COP	4.00	3.86	3.70	3.53	3.41	3.34	3.16	2.98	2.45	2.32	2.18	2.09	2.03	1.86	1.69	1.51	1.32	1.11
EER	13.7	13.2	12.7	12.1	11.7	11.4	10.8	10.2	8.4	7.9	7.4	7.1	6.9	6.4	5.8	5.2	4.5	3.8
HI PR	411	394	379	363	354	347	334	320	307	293	282	275	270	260	250	239	231	223
LO PR	131	122	114	105	99	95	88	78	70	63	55	51	50	42	36	30	27	21

Notes:

Above information is for nominal CFM and 70-degree indoor dry bulb. Instantaneous capacity listed.

High pressure is measured at the liquid line access fitting. Low pressure is measured at the compressor suction access fitting. Amps: Unit amps (comp.+ evaporator motor + condenser fan motor) kW = Total system power

EXPANDED HEATING DATA (CONT.)

GPH1549M41A* Low Stage

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	40.0	37.8	35.6	33.3	31.8	30.8	28.6	26.4	21.8	20.1	18.5	17.5	16.9	15.1	13.4	11.7	10.0	8.2
ΔΤ	30.8	29.2	27.5	25.7	24.5	23.8	22.1	20.4	16.8	15.5	14.3	13.5	13.0	11.7	10.3	9.0	7.7	6.3
kW	3.04	2.98	2.92	2.86	2.83	2.80	2.74	2.69	2.81	2.74	2.68	2.64	2.62	2.55	2.49	2.43	2.36	2.30
Amps	11.5	10.8	10.2	9.7	9.4	9.3	8.8	8.5	8.2	7.9	7.6	7.5	7.4	7.1	6.8	6.5	6.1	5.7
COP	3.85	3.72	3.57	3.41	3.29	3.22	3.05	2.88	2.27	2.15	2.02	1.94	1.88	1.73	1.58	1.41	1.24	1.04
EER	13.1	12.7	12.2	11.6	11.2	11.0	10.4	9.8	7.8	7.3	6.9	6.6	6.4	5.9	5.4	4.8	4.2	3.6
HI PR	395	379	364	348	340	334	321	308	295	282	270	264	259	249	240	230	222	214
LO PR	139	129	121	111	105	101	93	83	75	67	59	54	52	44	38	32	28	22

GPH1549M41A* HIGH STAGE

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	57.9	54.8	51.6	48.2	46.0	44.6	41.4	38.2	31.9	29.4	27.1	25.6	24.6	22.1	19.6	17.1	14.6	11.9
ΔΤ	39.8	37.7	35.5	33.2	31.7	30.7	28.5	26.3	21.9	20.2	18.6	17.6	17.0	15.2	13.5	11.8	10.0	8.2
kW	3.99	3.91	3.83	3.75	3.70	3.66	3.59	3.51	3.53	3.44	3.36	3.31	3.28	3.20	3.12	3.03	2.95	2.87
Amps	20.2	18.8	17.7	16.8	16.3	16.0	15.2	14.5	14.0	13.4	12.9	12.6	12.5	11.9	11.2	10.7	10.0	9.2
COP	4.25	4.11	3.95	3.77	3.64	3.56	3.38	3.19	2.64	2.50	2.36	2.26	2.20	2.02	1.84	1.65	1.45	1.22
EER	14.5	14.0	13.5	12.9	12.4	12.2	11.6	10.9	9.0	8.5	8.1	7.7	7.5	6.9	6.3	5.6	4.9	4.2
HI PR	395	379	364	348	340	334	321	308	295	282	270	264	259	249	240	230	222	214
LO PR	143	133	125	114	108	104	96	85	77	69	60	56	54	46	39	33	29	23

GPH1560M41A* Low Stage

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	50.1	47.4	44.6	41.7	39.8	38.6	35.8	33.1	26.6	24.5	22.6	21.3	20.5	18.4	16.3	14.2	12.2	10.0
ΔΤ	34.3	32.5	30.6	28.6	27.3	26.5	24.6	22.7	18.2	16.8	15.5	14.6	14.1	12.6	11.2	9.8	8.3	6.8
kW	3.76	3.68	3.61	3.53	3.49	3.46	3.39	3.31	3.44	3.36	3.28	3.24	3.21	3.13	3.05	2.97	2.89	2.81
Amps	19.6	18.2	17.2	16.2	15.7	15.4	14.6	14.0	13.4	12.9	12.4	12.1	12.0	11.4	10.8	10.2	9.6	8.8
COP	3.90	3.76	3.62	3.45	3.34	3.26	3.09	2.92	2.26	2.13	2.01	1.93	1.87	1.72	1.57	1.40	1.23	1.04
EER	13.3	12.9	12.4	11.8	11.4	11.2	10.6	10.0	7.7	7.3	6.9	6.6	6.4	5.9	5.4	4.8	4.2	3.5
HI PR	391	375	361	345	337	330	318	305	292	279	268	261	257	247	237	228	220	212
LO PR	139	129	121	111	105	101	93	83	75	67	59	54	53	44	38	32	28	22

GPH1560M41A* HIGH STAGE

	OUTDOOR AMBIENT TEMPERATURE																	
	65	60	55	50	47	45	40	35	30	25	20	17	15	10	5	0	-5	-10
MBh	70.4	66.6	62.7	58.6	56.0	54.3	50.4	46.5	38.9	35.9	33.0	31.2	30.0	27.0	23.9	20.8	17.8	14.6
ΔΤ	36.2	34.3	32.3	30.2	28.8	27.9	25.9	23.9	20.0	18.5	17.0	16.0	15.5	13.9	12.3	10.7	9.1	7.5
kW	5.24	5.14	5.04	4.94	4.88	4.83	4.74	4.63	4.52	4.42	4.32	4.26	4.22	4.12	4.02	3.92	3.82	3.72
Amps	26.6	24.8	23.4	22.1	21.4	21.0	20.0	19.1	18.4	17.7	16.9	16.6	16.4	15.7	14.8	14.1	13.2	12.1
COP	3.93	3.79	3.64	3.48	3.36	3.29	3.11	2.94	2.52	2.38	2.24	2.14	2.08	1.92	1.74	1.56	1.36	1.15
EER	13.4	13.0	12.5	11.9	11.5	11.2	10.6	10.0	8.6	8.1	7.7	7.3	7.1	6.5	5.9	5.3	4.7	3.9
HI PR	411	394	379	362	354	347	333	320	306	293	281	274	269	259	249	239	230	222
LO PR	130	121	113	104	98	94	87	77	70	62	55	51	49	42	36	30	26	21

Notes

Above information is for nominal CFM and 70-degree indoor dry bulb. Instantaneous capacity listed.

High pressure is measured at the liquid line access fitting. Low pressure is measured at the compressor suction access fitting. Amps: Unit amps (comp.+ evaporator motor + condenser fan motor) kW = Total system power

AUXILIARY HEATING DATA

GPH1524M41A*

CONDITIONS: 860 CFM; INDOOR AIR @ 70°F DB

OUTDOOR	Basic Uni Aux. H	•			ACITY OF		
AMBIENT °F.	CAPACITY BTU/H	СОР	5K	8K	10K	15K	20K
65	29.41	4.14	45.80	56.72	62.18		
60	27.85	4.00	44.23	55.15	60.61		
55	26.21	3.84	42.59	53.51	58.97		
50	24.50	3.66	40.88	51.80	57.26		
45	22.67	3.46	39.06	49.98	55.44		
40	21.06	3.28	37.44	48.36	53.82		
35	19.42	3.09	35.80	46.73	52.19		
30	15.59	2.52	31.97	42.89	48.35		
25	14.39	2.38	30.77	41.69	47.15		
20	13.25	2.24	29.63	40.55	46.01		
15	12.05	2.09	28.43	39.35	44.81		
10	10.81	1.92	27.19	38.11	43.57		
5	9.58	1.74	25.97	36.89	42.35		
0	8.36	1.56	24.74	35.66	41.12		
-5	7.13	1.36	23.51	34.43	39.90		
-10	5.84	1.15	22.22	33.15	38.61		

GPH1536M41A*

CONDITIONS: 1200 CFM; INDOOR AIR @ 70°F DB

OUTDOOR	Basic Uni Aux. H	•			CITY OF		
AMBIENT °F.	CAPACITY BTU/H	СОР	5K	8K	10K	15K	20K
65	44.59	4.02	60.97	71.89	77.35	93.73	
60	42.21	3.89	58.59	69.51	74.97	91.36	
55	39.73	3.74	56.11	67.03	72.49	88.87	
50	37.14	3.57	53.52	64.44	69.90	86.28	
45	34.37	3.38	50.75	61.67	67.14	83.52	
40	31.92	3.20	48.31	59.23	64.69	81.07	
35	29.44	3.02	45.82	56.74	62.20	78.59	
30	23.20	2.80	39.58	50.50	55.97	72.35	
25	21.41	2.64	37.80	48.72	54.18	70.56	
20	19.72	2.49	36.10	47.02	52.48	68.87	
15	17.93	2.32	34.31	45.24	50.70	67.08	
10	16.09	2.13	32.47	43.39	48.85	65.23	
5	14.26	1.94	30.65	41.57	47.03	63.41	
0	12.44	1.73	28.82	39.74	45.20	61.59	
-5	10.61	1.52	27.00	37.92	43.38	59.76	
-10	8.70	1.28	25.08	36.00	41.46	57.84	

GPH1530M41A*

CONDITIONS: 1000 CFM; INDOOR AIR @ 70°F DB

OUTDOOR	Basic Uni Aux. H	, -			ACITY OF		
AMBIENT °F.	CAPACITY BTU/H	СОР	5K	8K	10K	15K	20K
65	34.44	4.36	51.51	61.75	68.57	85.64	
60	32.61	4.21	49.67	59.91	66.74	83.80	
55	30.69	4.04	47.75	57.99	64.82	81.88	
50	28.69	3.86	45.75	55.99	62.82	79.88	
45	26.55	3.65	43.62	53.85	60.68	77.75	
40	24.66	3.36	41.73	51.96	58.79	75.86	
35	22.74	3.26	39.81	50.05	56.87	73.94	
30	18.81	2.70	35.88	46.12	52.94	70.01	
25	17.37	2.55	34.43	44.67	51.50	68.56	
20	15.99	2.40	33.06	43.29	50.12	67.19	
15	9.89	2.24	26.95	37.19	44.02	61.08	
10	8.87	2.06	25.94	36.18	43.00	60.07	
5	7.87	1.87	24.93	35.17	42.00	59.06	
0	6.86	1.67	23.93	34.16	40.99	58.06	
-5	5.85	1.47	22.92	33.16	39.98	57.05	
-10	7.05	1.23	24.12	34.36	41.18	58.25	

GPH1542M41A*

CONDITIONS: 1250 CFM INDOOR AIR @ 70°F DB

OUTDOOR	Basic Uni Aux. H				ACITY OF V OF AUX		
AMBIENT °F.	CAPACITY BTU/H	СОР	5K	8K	10K	15K	20K
65	50.28	4.31	67.35	77.58	84.41	101.48	
60	47.60	4.16	64.67	74.90	81.73	98.80	
55	44.80	4.00	61.87	72.10	78.93	96.00	
50	41.88	3.82	58.95	69.18	76.01	93.08	
45	38.76	3.61	55.83	66.06	72.89	89.96	
40	36.00	3.43	53.07	63.30	70.13	87.20	
35	33.20	3.24	50.27	60.50	67.33	84.40	
30	24.92	2.53	41.99	52.22	59.05	76.12	
25	23.00	2.39	40.07	50.30	57.13	74.20	
20	21.18	2.25	38.25	48.48	55.31	72.38	
15	19.26	2.10	36.33	46.56	53.39	70.46	
10	17.28	1.93	34.35	44.58	51.41	68.48	
5	15.32	1.76	32.39	42.62	49.45	66.52	
0	13.36	1.58	30.43	40.66	47.49	64.56	
-5	11.40	1.38	28.47	38.70	45.53	62.60	
-10	9.34	1.16	26.41	36.64	43.47	60.54	

NOTES

- COP: Coefficient of performance
- To obtain BTU capacity of the unit with Kw of auxiliary heat, multiply by 1000 (example 39.01 x 1000 = 39,010 BTU'S)

Auxiliary Heating Data (cont.)

GPH1543M41A*

CONDITIONS: 1350 CFM; INDOOR AIR @ 70°F DB

OUTDOOR AMBIENT	Basic Uni Aux. H	, .			ACITY OF V OF AUX		
°F.	CAPACITY BTU/H	СОР	5K	8K	10K	15K	20K
65	50.28	4.31	67.35	77.58	84.41	101.48	
60	47.60	4.16	64.67	74.90	81.73	98.80	
55	44.80	4.00	61.87	72.10	78.93	96.00	
50	41.88	3.82	58.95	69.18	76.01	93.08	
45	38.76	3.61	55.83	66.06	72.89	89.96	
40	36.00	3.43	53.07	63.30	70.13	87.20	
35	33.20	3.24	50.27	60.50	67.33	84.40	
30	24.92	2.53	41.99	52.22	59.05	76.12	
25	23.00	2.39	40.07	50.30	57.13	74.20	
20	21.18	2.25	38.25	48.48	55.31	72.38	
15	19.26	2.10	36.33	46.56	53.39	70.46	
10	17.28	1.93	34.35	44.58	51.41	68.48	
5	15.32	1.76	32.39	42.62	49.45	66.52	
-5	11.40	1.38	28.47	38.70	45.53	62.60	
-10	9.34	1.16	26.41	36.64	43.47	60.54	

GPH1549M41A*

CONDITIONS: 1700 CFM INDOOR AIR @ 70°F DB

OUTDOOR	Basic Uni Aux. H	•			CITY OF		
°F.	CAPACITY BTU/H	СОР	5K	8K	10K	15K	20K
65	57.38	4.00	73.76	84.69	90.15	106.53	122.91
60	54.32	3.86	70.71	81.63	87.09	103.47	119.85
55	51.13	3.70	67.51	78.43	83.89	100.28	116.66
50	47.80	3.53	64.18	75.10	80.56	96.94	113.33
45	44.23	3.34	60.62	71.54	77.00	93.38	109.76
40	41.09	3.16	57.47	68.39	73.85	90.23	106.61
35	37.89	2.98	54.27	65.19	70.65	87.04	103.42
30	30.65	2.45	47.03	57.96	63.42	79.80	96.18
25	28.29	2.32	44.67	55.59	61.05	77.44	93.82
20	26.05	2.18	42.43	53.36	58.82	75.20	91.58
15	23.69	2.03	40.07	50.99	56.45	72.84	89.22
10	21.25	1.86	37.64	48.56	54.02	70.40	86.78
5	18.84	1.69	35.23	46.15	51.61	67.99	84.37
0	16.43	1.51	32.82	43.74	49.20	65.58	81.96
-5	14.02	1.32	30.40	41.33	46.79	63.17	79.55
-10	11.49	1.11	27.87	38.79	44.25	60.64	77.02

GPH1548M41A*

CONDITIONS: 1700 CFM INDOOR AIR @ 70°F DB

OUTDOOR	Basic Uni Aux. H	, -			CITY OF		
AMBIENT °F.	CAPACITY BTU/H	СОР	5K	8K	10K	15K	20K
65	57.38	4.00	73.76	84.69	90.15	106.53	122.91
60	54.32	3.86	70.71	81.63	87.09	103.47	119.85
55	51.13	3.70	67.51	78.43	83.89	100.28	116.66
50	47.80	3.53	64.18	75.10	80.56	96.94	113.33
45	44.23	3.34	60.62	71.54	77.00	93.38	109.76
40	41.09	3.16	57.47	68.39	73.85	90.23	106.61
35	37.89	2.98	54.27	65.19	70.65	87.04	103.42
30	30.65	2.45	47.03	57.96	63.42	79.80	96.18
25	28.29	2.32	44.67	55.59	61.05	77.44	93.82
20	26.05	2.18	42.43	53.36	58.82	75.20	91.58
15	23.69	2.03	40.07	50.99	56.45	72.84	89.22
10	21.25	1.86	37.64	48.56	54.02	70.40	86.78
5	18.84	1.69	35.23	46.15	51.61	67.99	84.37
-5	14.02	1.32	30.40	41.33	46.79	63.17	79.55
-10	11.49	1.11	27.87	38.79	44.25	60.64	77.02

GPH1560M41A*

CONDITIONS: 1800 CFM; INDOOR AIR @ 70°F DB

OUTDOOR AMBIENT	Basic Uni Aux. H	, -			ACITY OF V OF AUX		
°F.	CAPACITY BTU/H	СОР	5K	8K	10K	15K	20K
65	70.39	3.93	86.77	97.70	103.16	119.54	135.92
60	66.64	3.79	83.02	93.94	99.40	115.79	132.17
55	62.72	3.64	79.10	90.02	95.48	111.87	128.25
50	58.63	3.48	75.01	85.94	91.40	107.78	124.16
45	54.26	3.29	70.65	81.57	87.03	103.41	119.79
40	50.40	3.11	66.78	77.70	83.16	99.55	115.93
35	46.48	2.94	62.86	73.78	79.24	95.63	112.01
30	38.88	2.52	55.26	66.18	71.64	88.02	104.40
25	35.88	2.38	52.26	63.18	68.64	85.03	101.41
20	33.04	2.24	49.42	60.34	65.81	82.19	98.57
15	30.05	2.08	46.43	57.35	62.81	79.19	95.58
10	26.96	1.92	43.34	54.26	59.72	76.10	92.49
5	23.90	1.74	40.28	51.20	56.66	73.05	89.43
0	20.84	1.56	37.22	48.15	53.61	69.99	86.37
-5	17.78	1.36	34.17	45.09	50.55	66.93	83.31
-10	14.57	1.15	30.95	41.87	47.34	63.72	80.10

Notes

- COP: Coefficient of performance
- To obtain BTU capacity of the unit with Kw of auxiliary heat, multiply by 1000 (example 39.01 x 1000 = 39,010 BTU'S)

HEAT KIT ELECTRICAL DATA (BLOWER ONLY, HEAT MODE)

MODEL & HEAT	CIRCU	JIT #1	CIRCU	JIT #2	ACTUAL KW /	
KIT USAGE	MCA 1	MCA 1 MOP 2		MOP ²	BTU@ 240V	
GPH1524M41A*	4.3 / 4.3					
HKR-05*, HKR-05C*	24 / 27	30 / 30			4.75 / 16,200	
HKR-08*, HKR-08C*	34 / 39	40 / 40			7.0 / 23,800	
HKR-10*, HKR-10C*	45 / 52	60 / 60			9.5 / 32,400	
GPH1530M41A*	4.3 / 4.3					
HKR-05*, HKR-05C*	24 / 27	30 / 30			4.75 / 16,200	
HKR-08*, HKR-08C*	34 / 39	40 / 40			7.0 / 23,800	
HKR-10*, HKR-10C*	45 / 52	60 / 60			9.5 / 32,400	
HKR-15*, HKR-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600	
GPH1536M41A*	4.3 / 4.3					
HKR-05*, HKR-05C*	24 / 27	30 / 30			4.75 / 16,200	
HKR-08*, HKR-08C*	34 / 39	40 / 40			7.0 / 23,800	
HKR-10*, HKR-10C*	45 / 52	60 / 60			9.5 / 32,400	
HKR-15*, HKR-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600	
GPH1542M41A*	4.3 / 4.3					
HKR-05*, HKR-05C*	24 / 27	30 / 30			4.75 / 16,200	
HKR-08*, HKR-08C*	34 / 39	40 / 40			7.0 / 23,800	
HKR-10*, HKR-10C*	45 / 52	60 / 60			9.5 / 32,400	
HKR-15*, HKR-15C*	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600	
GPH1543M41A*	2.9/2.9					
HKR05A,CA	24 / 27	30 / 30			4.75 / 16,200	
HKR08A,CA	34 / 39	40 / 40			7.0 / 23,800	
HKR10A,CA	45 / 52	60 / 60			9.5 / 32,400	
HKR15A,CA	45 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600	
GPH1548M41A*	5.8 / 5.8					
HKR-05*, HKR-05C*	25 / 28	30 / 30			4.75 / 16,200	
HKR-08*, HKR-08C*	38 / 40	40 / 40			7.0 / 23,800	
HKR-10*, HKR-10C*	49 / 56	60 / 60			9.5 / 32,400	
HKR-15*, HKR-15C*	49 / 56	60 / 60	22 / 25	30 / 30	14.25 / 48,600	
HKR-20*, HKR-20C*	49 / 56	60 / 60	43 / 49	60 / 60	19.5 / 66,500	
GPH1549M41A*	2.9/2.9					
HKR05A,CA	25 / 28	30 / 30			4.75 / 16,200	
HKR08A,CA	34 / 40	40 / 40			7.00 / 23,800	
HKR10A,CA	46 / 53	60 / 60			9.50 / 32,400	
HKR15A,CA	46 / 52	60 / 60	22 / 25	30 / 30	14.25 / 48,600	
HKR20A,CA	46 / 52	60 / 60	43 / 49	60 / 60	19.50 / 66,500	
GPH1560M41A*	7.0 / 7.0					
HKR-05*, HKR-05C*	29 / 30	30 / 30			4.75 / 16,200	
HKR-08*, HKR-08C*	39 / 40	40 / 40			7.0 / 23,800	
HKR-10*, HKR-10C*	51 / 58	60 / 60			9.5 / 32,400	
HKR-15*, HKR-15C*	51 / 58	60 / 60	22 / 25	30 / 30	14.25 / 48,600	
HKR-20*, HKR-20C*	51 / 58	60 / 60	43 / 49	60 / 60	19.5 / 66,500	

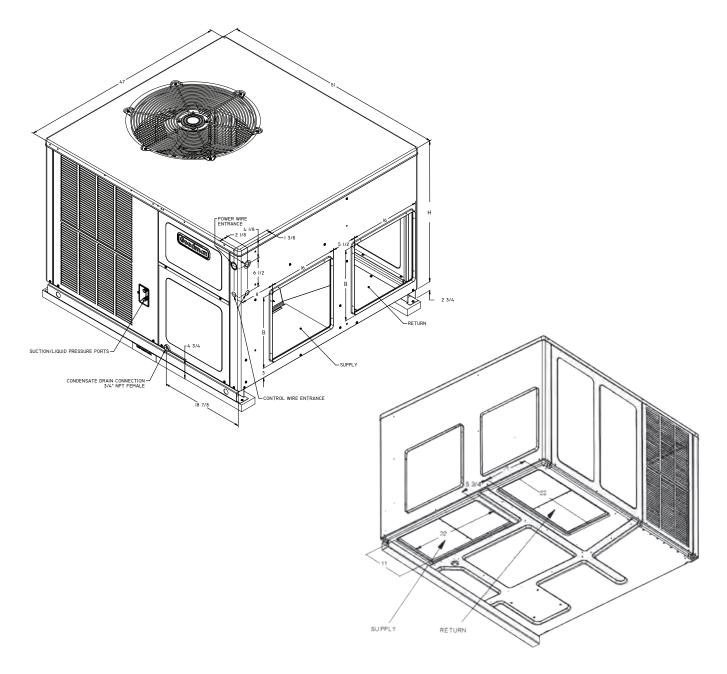
¹ Minimum Circuit Ampacity @ 460 V

² Maximum Overcurrent Protection device @ 460 V

^{*} Revision level that may or may not be designated

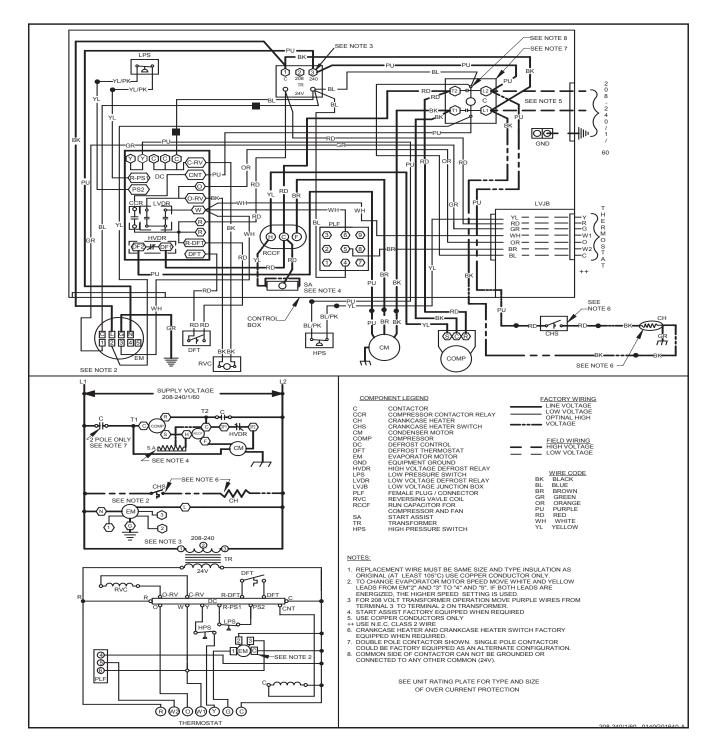
C Circuit Breaker option

DIMENSIONS



MODEL	MED.	LARGE	W"	D'	H'	В	Н
GPH1524M41A	Х		47	51	34¾	16"	32½"
GPH1530M41A	Х		47	51	34¾	16"	32½"
GPH1536M41A	Х		47	51	34¾	16"	32½"
GPH1542M41A	Х		47	51	34¾	16"	32½"
GPH1543M41A		Х	47	51	421/4	18"	40"
GPH1548M41A		Х	47	51	421/4	18"	40"
GPH1549M41A		Х	47	51	421/4	18"	40"
GPH1560M41A		Х	47	51	421/4	18"	40"

WIRING DIAGRAM — GPH1524-36/43M41A*



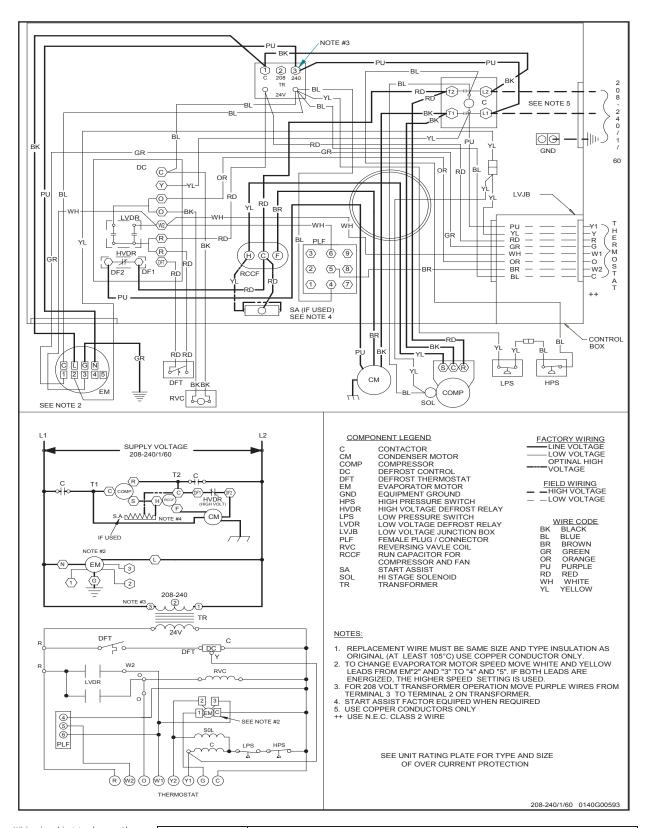
Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.



High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.



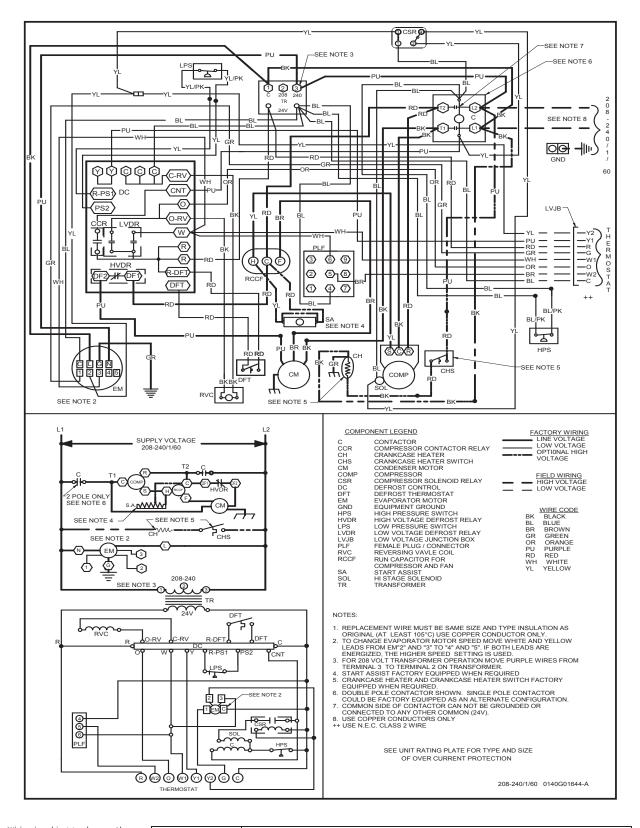
Wiring Diagram — GPH1542-48M41A*



Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Wiring Diagram — GPH1549-60M41A*



Wiring is subject to change. Always refer to the wiring diagram or the unit for the most up-to-date wiring.

⚠ WARNING

High Voltage: Disconnect all power before servicing or installing this unit. Multiple power sources may be present. Failure to do so may cause property damage, personal injury, or death.

Accessories

ITEM	DESCRIPTION			
20464501PDGK	Horizontal Duct Cover for Medium Chassis			
20464502PDGK	Horizontal Duct Cover for Large Chassis			
GPH13MED102/103*	Downflow Economizer for Medium/ Large Chassis			
GPH13MFR102/ 103*	Internal filter rack for Medium/ Large Chassis — Downflow Applications			
OT18-60A	Outdoor Thermostat Kit with Lockout Stat			
OT/EHR18-60	Emergency Heat Relay kit			
PCFR102/ 103	External Horizontal Filter Rack for Medium/ Large Chassis			
PGC102/ 103*	Roof Curb for for Medium/ Large Chassis			
PGMDD102*	Manual Damper for Downflow Application — Medium Chassis			
PGMDMD102*	Motorized Damper for Downflow Application — Medium Chassis			
PGMDD103*	Manual Damper for Downflow Application — Large Chassis			
PGMDMD103*	Motorized Damper for Downflow Application — Large Chassis			
PGMDH102*	Manual 25% Fresh Air Damper for Medium Chassis — Horizontal Applications			
PGMDH103*	Manual 25% Fresh Air Damper for Large Chassis — Horizontal Applications			
PGMDMH102*	Motorized 25% Fresh Air Damper for Medium Chassis — Horizontal Applications			
PGMDMH103*	Motorized 25% Fresh Air Damper for Large Chassis — Horizontal Applications			
SQRPG102*	Square-to-Round Adapter with 16" Round for Medium Chassis — Downflow Applications			
SQRPG103*	Square-to-Round Adapter with 18" Round for Large Chassis — Downflow Applications			
SQRPGH102*	Square-to-Round Adapters for Medium Chassis — 16½" & 16½"			
SQRPGH103*	Square-to-Round Adapters for Large Chassis — 18" & 18"			

^{*} Offered by McDaniel Metals • Main: (281) 987-8400 • Fax: (281) 987-9494

